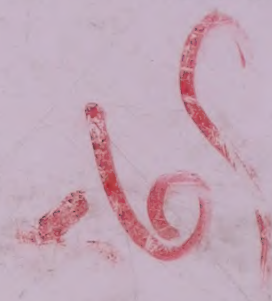




DIRECTORY OF CSIR SCIENTISTS

VOLUME V

Engineering
Sciences



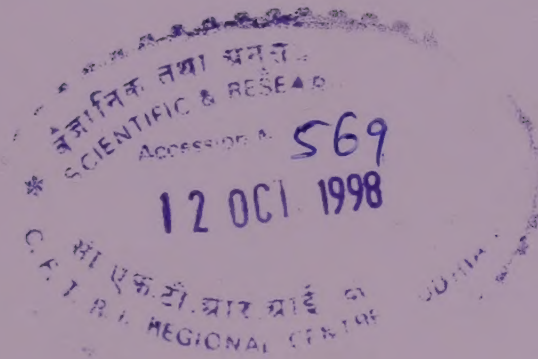
1994



HUMAN RESOURCE DEVELOPMENT GROUP
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
NEW DELHI

12/10/98

569



DIRECTORY OF CSIR SCIENTISTS

Volume V

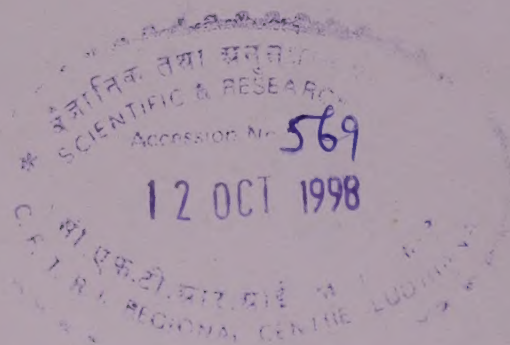
ENGINEERING SCIENCES

REVISED EDITION

1994



**HUMAN RESOURCE DEVELOPMENT GROUP
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
NEW DELHI**



PROJECT TEAM

I.M.L. Ahuja

S.R. Das

H.R. Khan

Y.P. Sehgal

N.P. Srivastava (Leader)

Sushil Kumar

SOFTWARE DESIGN & DEVELOPMENT

S.N. Gandhi

S.A. Hasan

Rama Kumari

A.Wahid

ACKNOWLEDGEMENTS

Thanks are due to S/Shri/Km Surinder Singh, Deepak Singhal, Manoj Kumar Sharma, Sunil Kumar Das, Dinesh Sethi, Surbhi Chhibber, Anju Setia, Suman Singh and Anjana Khatri for their help in data entry.

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FOREWORD

The Council of Scientific and Industrial Research (CSIR) is an autonomous national agency of the Government of India for conducting scientific and industrial research on important problems in-house. Its 40 research laboratories are of multidisciplinary nature, organised to provide technologies of regional and national interest and to generate new knowledge of basic and applied value.

About 8000 active research scientists and about 11000 supporting staff organised in many teams are working on problems relating to affordable drugs and processed food, better communication and transportation, improved materials, instruments and building technology. Many of the CSIR scientists have done pioneering work in their areas of research and a substantial number of patents, both in India and abroad, have been taken. A large number of the technologies developed in the CSIR laboratories are in use by the industry and a variety of goods based on them are in national and international markets. In addition, the industry, is being provided a variety of services required by them. CSIR's S&T manpower is well trained and therefore their consultancy services are being sought by the industry in good measure. Besides, the scientists and engineers of CSIR also participate in the academic programmes of the universities. It is important that current information about the CSIR scientists is made available at one place so that their expertise may be utilised even better, according to the changing needs of the CSIR and country; with its availability the human resource of CSIR could be planned more systematically for its future research targets.

The first edition of the directory of CSIR Scientists was published in 1986. Its revised version was brought out in 1988. The present edition of the directory incorporates information about the characteristics of CSIR manpower as on 1 December 1994. It is hoped that the information contained in this directory will be variously useful. I appreciate the efforts of the CSIR's Human Resource Development Group in producing the directory.

New Delhi

S. K. Joshi
(S K JOSHI)
Director General
CSIR

PREFACE

The Council of Scientific & Industrial Research (CSIR) is a multi-disciplinary and multi-dimensional R&D agency with a network of 40 national research laboratories/institutes and 81 regional research centres/survey laboratories/service & maintenance centres/zonal laboratories/ polytechnology transfer centres/ extension centres/field stations/experimental farms/field units, etc.

The total estimated strength of staff is around 25,000 and that of Scientists and Technical Officers is nearly 8,000.

HRD Group of CSIR, New Delhi is maintaining a data bank for Scientists and Technical Officers of CSIR HQ and of the 40 laboratories spread all over India. Information is collected through a proforma which gives their personal data, record of qualifications, employment and training, specialisations, present activities, languages known, countries visited, publications and patents taken, awards and distinctions and professional experience in years. This compilation has been found to be useful whenever the need arose to identify Scientists: as members of Selection Committees, for consideration for special projects, additional training or high level jobs, etc. Each Scientist/ Technical Officer was contacted with a view to obtaining his/her updated biodata. Efforts have been made to incorporate these changes in this revised edition. The Directory comprises six volumes, one each on Information Science, Physical & Earth Sciences, Chemical Sciences, Biological Sciences, Engineering Sciences and Speciality and Name index. The total strength of S&T officers covered in this Directory is 7974. It is hoped that R & D agencies and other organisations could find the Directory a useful source of reference.

A statistical profile of the CSIR Scientists and Technical Officers based on the information contained in the Directory will follow; and it will give data for being utilised as source material for Manpower Planning in the CSIR System.



(N R Rajagopal)

Head, Human Resource Development Group,
CSIR, New Delhi

Central Building Research Institute, Roorkee

5232

DR R NARAYANA IYENGAR; (B. JUNE 2, 1943),
DIRECTOR, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.E. CIVIL - MYSORE '62; M.SC.(ENGG)
CIVIL ENGINEERING - I.I.S.C., BANGALORE '66; PH.D.
CIVIL ENGINEERING - I.I.S.C., BANGALORE '70.

SPECIALIZATIONS : BUILDING SCIENCES; DISASTER
MITIGATION; RANDOM VIBRATION; EARTHQUAKE & WIND
ENGINEERING.

EXPERIENCE : LECTURER, ASSISTANT PROFESSOR, ASSO-
CIATE PROFESSOR AND PROFESSOR, I.I.S.C., BANGALORE,
1969-94; (ALSO VISITING ASSISTANT PROFESSOR, PURDUE
UNIVERSITY, W.LAFAYETTE, U S A, 1970-71; VISITING
SCHOLAR, BROOKLYN POLYTECHNIC, NEW YORK, U S A,
1971; RESEARCH ASSOCIATE, COLUMBIA UNIVERSITY, NEW
YORK, U S A, 1971 AND ALEXANDER VON HUMBOLDT FEL-
LOW, UNIVERSITY OF HANNOVER, W.GERMANY, 1978-79);
DIRECTOR, C.B.R.I. SINCE APRIL, 1994.

PRESENT ACTIVITIES : R & D; MANAGEMENT & ADMN.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

VISITED : GREECE, FRANCE, ARMENIA, GERMANY, ITALY,
U.S.A., AUSTRIA, U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 80, TECH.
REPORTS - 26, ARTICLES - 6.

AWARDS & DISTINCTIONS : THE RAILWAY BOARD
PRIZE FOR THE PAPER "IDENTIFICATION OF DAMPING IN
RAILWAY VEHICLES UNDER RUNNING CONDITION, 1989-90;
FELLOW, INDIAN ACADEMY OF SCIENCES; FELLOW, INSTI-
TUTION OF ENGINEERS (INDIA); LIFE MEMBER, INDIAN SO-
CIETY OF EARTHQUAKE TECHNOLOGY; MEMBER,
INTERNATIONAL ASSOCIATION OF STRUCTURAL SAFETY
AND RELIABILITY; SCIENTIFIC COMMITTEE MEMBER, IU-
TAM SYMPOSIUM ON "NONLINEAR STOCHASTIC DYNAMI-
CS", ITALY, 1991.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
30, TEACHING - 25, DESIGN - 1, CONSTRUCTION - 1, EDITING -
6, CONSULTANCY - 20, R&D MANAGEMENT - 2, PLANNING -
2.

5233

SHRI T N GUPTA; (B. JANUARY 5, 1939),

SCIENTIST G, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.ARCH. - ROORKEE '62; P.G. DIPLOMA
HOUSING, PLANNING AND CONSTRUCTION -
BOUWCENTRUM, NETHERLANDS '68.

SPECIALIZATIONS : ARCHITECTURE; PLANNING OF HU-
MAN SETTLEMENTS; ENERGY EFFICIENT BUILDING DESIGN;
CONSTRUCTION MANAGEMENT.

EXPERIENCE : SCIENTIST A, SCIENTIST B, SCIENTIST C
AND SCIENTIST E, C.B.R.I., 1962-79; (ALSO VISITED SRI LANKA
TO PARTICIPATE UNESCO SPONSORED REGIONAL CONFER-
ENCE ON EDUCATIONAL BUILDINGS, 1970); SCIENTIST F,
C.B.R.I., 1979-90; SCIENTIST G, C.B.R.I. SINCE JULY, 1990;
(ALSO VISITED SRI LANKA AS A UNESCO CONSULTANT TO
CONDUCT A TRAINING PROGRAMME ON SELF-HELP HOUS-
ING, 1985 AND THAILAND TO PARTICIPATE IN ASIAN RE-
GIONAL CONFERENCE ON HOUSING, 1986).

PRESENT ACTIVITIES : RESEARCH; R & D MANAGEMENT
IN ARCHITECTURE, HOUSING AND PLANNING.

LANGUAGES : HINDI, ENGLISH.

VISITED : THE NETHERLANDS, SWEDEN, U.K., W. GER-
MANY, FRANCE, DENMARK, ITALY, GREECE, SRI LANKA,
THAILAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 42, TECH.
REPORTS - 15, ARTICLES - 7, POPULAR SCIENCE BOOKS - 1
(TRANSLATED).

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
25, DESIGN - 10, CONSULTANCY - 7, R & D MANAGEMENT - 9,
CONSTRUCTION - 5, TEACHING - 5, PLANNING - 5, TECHNOL-
OGY TRANSFER - 2.

5234

DR SURYA KANT MISRA; (B. MARCH 27, 1937),

SCIENTIST G, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '56; B.ARCH. (HONS) -
I.I.T., KHARAGPUR '61; PH.D. TOWN PLANNING - ROYAL
INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN
'68; D.SC. ARCHITECTURE - ROYAL INSTITUTE OF TECH-
NOLOGY, STOCKHOLM, SWEDEN '72.

SPECIALIZATIONS : ARCHITECTURE; TOWN PLANNING;
HOUSING; INFORMATION SCIENCE.

EXPERIENCE : ARCHITECT AND TOWN PLANNER, H.S.B.S.
RIKSFORBUND, STOCKHOLM, SWEDEN, 1961-65; RESEARCH
OFFICER, NATIONAL INSTITUTE OF BUILDING RESEARCH,
STOCKHOLM, SWEDEN, 1965-70; RESEARCH FELLOW, ROYAL
INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN, 1970-
72; SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, C.B.R.I.,
1972-85; SCIENTIST F, C.B.R.I., 1985-90; SCIENTIST G, C.B.R.I.
SINCE APRIL, 1990;

PRESENT ACTIVITIES : RESEARCH IN ARCHITECTURE;
R&D MANAGEMENT.

LANGUAGES : HINDI, ENGLISH, SWEDISH, NORWEGIAN.

VISITED : SWEDEN, DENMARK, W. GERMANY, HOLLAND,
FRANCE, ETHIOPIA, EGYPT, ITALY, AUSTRIA, NORWAY, E.
GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH.
REPORTS - 12, ARTICLES - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
5, APP. RES. 9, DESIGN 4, TEACHING 3, TECHNOLOGY TRANS-
FER 5, R&D MANAGEMENT 4.

5235

DR N S BHAL; (B. JUNE 8, 1938),

SCIENTIST F, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.SC. - ALLAHABAD '55;
B.TECH.(HONS) CIVIL - I.I.T., KHARAGPUR '59; M.TECH.
STRUCTURAL ENGINEERING - I.I.T., KHARAGPUR '60;
DR.ING. STRUCTURAL ENGINEERING - STUTTGART
TECHNOLOGICAL UNIVERSITY, W. GERMANY. '67.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; REIN-
FORCED & PRESTRESSED CONCRETE STRUCTURES; COM-
POSITE CONSTRUCTION.

EXPERIENCE : ASSTT. ENGINEER, P.W.D., U.P., LUCKNOW,
1960-62; DAAD RESEARCH FELLOW AND RESEARCH ASSOCI-
ATE, OTTO-GRAF INSTITUTE, STUTTGART, W.GERMANY.
1963-67; SCIENTIST C, SCIENTIST EI, SCIENTIST EII AND SCI-
ENTIST F, S.E.R.C., ROORKEE, 1968-85; (ALSO UNDP CONSULT-

ANT, BUILDING RESEARCH CENTRE, BAGHDAD, 1973 AND UNDP-TCDC EXPERT IN STRUCTURAL ENGG, CENTRAL ENGINEERING CONSULTANCY BUREAU, COLOMBO, SRI LANKA, 1983-86); SCIENTIST F, C.B.R.I. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : R & D & RESEARCH MANAGEMENT IN STRUCTURAL ENGINEERING.

LANGUAGES : HINDI, BENGALI, ENGLISH, GERMAN.

VISITED : W. GERMANY, IRAQ, SRI LANKA, U.K., SEITZERLAND, FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 5.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1976.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, DESIGN - 2, CONSULTANCY - 4, R & D MGMT. - 15.(TOTAL 31 YEARS)

5236

SHRI J P KAUSHISH; (B. JULY 1, 1938),

SCIENTIST F, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - ROORKEE '57; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '62; ADVANCED COURSE IN ENGINEERING DESIGN(MECHANICAL) - ROORKEE '63; M.E. MECHANICAL - ROORKEE '78.

SPECIALIZATIONS : DESIGN AND DEVELOPMENT OF BUILDING MACHINES AND PLANTS; PRODUCTION AND FABRICATION OF MACHINES/STRUCTURES; PRODUCTION ENGINEERING.

EXPERIENCE : TRAINEE, MODI INDUSTRIES, 1957-58; SERVICE ENGINEER, PHOOLSON'S AGRICULTURAL INDUSTRIES, BARAUT, 1958-59; CHARGEMAN, N.E. RAILWAY WORKSHOP, GORAKHPUR, 1959-60; INSTRUCTOR, WORKSHOP SUPERINTENDENT AND LECTURER, UNIVERSITY OF ROORKEE, 1960-65; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1965-85; SCIENTIST EII, C.B.R.I., 1985-88; SCIENTIST F, C.B.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN BUILDING MACHINES AND PLANTS; PRODUCTION AND FABRICATION OF MACHINES/STRUCTURES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS-46, TECH.REPORTS-25, SCIENTIFIC BOOKS-14, PATENTS TAKEN-7, PROCESSES DEVELOPED-24, PROCESSES UNDER UTILISATION-18.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD AWARD FOR DEVELOPING TAMPING MACHINE, 1968; NRDC REPUBLIC DAY AWARD ON DEVELOPMENT OF ENERGY EFFICIENT GYPSUM CALCINATOR, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 20, TECH. DEV. - 20, PILOT PLANT - 20, PRODUCTION - 8, TEACHING - 5, TECHNOLOGY TRANSFER - 20, ADMN. - 10.

5237

SHRI V K MATHUR; (B. JULY 2, 1945),

SCIENTIST F, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B ARCH - ROORKEE '67; M.U.R.P. URBAN AND RURAL PLANNING - ROORKEE '81

SPECIALIZATIONS : SPACE NORMS AND STANDARDS FOR EDUCATIONAL BUILDINGS; SYSTEM BUILT SCHOOLS; CONSTRUCTION TECHNOLOGY; ARCHITECTURAL DESIGN.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EII, C.B.R.I., 1967-90; SCIENTIST F, C.B.R.I. SINCE FEBRUARY, 1990; (ALSO VISITED THAILAND AND BANGLADESH TO EXCHANGE VIEWS ON SCHOOL BUILDINGS UNDER UNESCO RESEARCH PROGRAMMES IN 1976, SWEDEN TO PARTICIPATE IN CIB SEMINAR ON BUILDING CONCEPTS FOR HANDICAPPED IN 1984 AND PARTICIPATED IN A COURSE IN THAILAND ORGANISED BY UNESCO ON CYCLONE RESISTANT EDUCATIONAL BUILDINGS IN 1986);

PRESENT ACTIVITIES : R & D; GUIDANCE AND ORGANISATION OF A NATIONAL PROGRAMME ON PLANNING & DESIGN OF RESIDENTIAL SECONDARY SCHOOL IN EACH DISTRICT OF THE COUNTRY.

LANGUAGES : HINDI, ENGLISH.

VISITED : THAILAND, BANGLADESH, SWEDEN, FRANCE, PHILIPPINES, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 10, REVIEW PAPERS - 1, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, APP. RES. - 5, DESIGN - 4, TECH. DEV. - 3, CONSULTANCY - 4, R & D MGMT. - 18, CONSTRUCTION - 3, TECHNOLOGY TRANSFER - 3, EXTENSION - 3.

5238

DR B K SAXENA; (B. JULY 22, 1941),

SCIENTIST F, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '57; M.SC. PHYSICS - B.H.U. '59; PH.D. PHYSICS - B.H.U. '66.

SPECIALIZATIONS : ILLUMINATION; HEAT TRANSFER; X-RAY CRYSTALLOGRAPHY; SOLAR ENERGY ; ENERGY CONSERVATION.

EXPERIENCE : J.R.F., SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1959-85; (ALSO DAAD FELLOW, W. GERMANY, 1971-72); SCIENTIST F, C.B.R.I. SINCE MARCH, 1990.

PRESENT ACTIVITIES : RESEARCH/INVESTIGATIONS ON SCATTERING DAY LIGHTING AND ENERGY CONSERVATION IN BUILDINGS.

LANGUAGES : HINDI, URDU, ENGLISH, GERMAN.

VISITED : W. GERMANY, SWEDEN, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 80, TECH. REPORTS - 15.

AWARDS & DISTINCTIONS : FELLOW, OPTICAL SOCIETY OF INDIA, 1979; FELLOW, INSTITUTION OF STANDARDS ENGINEERS, 1988; FELLOW, INDIAN SOCIETY OF LIGHTING ENGINEERS.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 30, R & D MGMT. - 10.

5239

SHRI NARENDRA VERMA; (B. JANUARY 15, 1942),

SCIENTIST F, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - ROORKEE '65; P.G. DIPLOMA IN BUILDING SCIENCE & TECHNOLOGY - ROORKEE '75; M.ARCH. BUILDING SCIENCE & TECHNOLOGY - ROORKEE '76.

SPECIALIZATIONS : ARCHITECTURE; LOW COST BUILDINGS AND HOUSING; RURAL BUILDINGS AND ENVIRONMENT; BIOGAS PLANTS; HOUSING IN CYCLONE PRONE AREAS.

EXPERIENCE : ASSISTANT ARCHITECT AND LECTURER, UNIVERSITY OF ROORKEE, 1965-69; SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, C.B.R.I., 1969-86; SCIENTIST F, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH ON RURAL BUILDINGS AND ENVIRONMENT.

LANGUAGES : HINDI, ENGLISH.

VISITED : CANADA, U S A, BANGLADESH, PAKISTAN, THAILAND, PHILIPPINES.

PUBLICATIONS & PATENTS : RES. PAPERS - 55, TECH. REPORTS - 8, BOOKS - 2, TECH. NOTES - 16, PROCESSES DEVELOPED - 25, PROCESSES UNDER UTILISATION - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, DESIGN - 2, CONSTN. - 2, TEACHING - 3.

5240

DR K N AGARWAL; (B. AUGUST 22, 1938),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : M.SC. PHYSICS - AGRA '62; PH.D. PHYSICS - AGRA '73.

SPECIALIZATIONS : HEAT TRANSFER DESIGN AND ENERGY CONSERVATION IN BUILDINGS; REFRIGERATION AND AIR CONDITIONING.

EXPERIENCE : LECTURER, MODI COLLEGE, MODI NAGAR, 1963-65; PROFESSIONAL ASSISTANT, INDIA METEOROLOGICAL DEPARTMENT, NEW DELHI, 1963-64; S.S.A., SCIENTIST B AND SCIENTIST C, C.B.R.I., 1965-81; SCIENTIST EI, C.B.R.I., 1981-88; SCIENTIST EII, C.B.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 40, TECH. REPORTS - 10, PATENTS TAKEN - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, CONSULTANCY - 15, TESTING - 15, TEACHING - 2.

5241

DR MOHAMMAD ASLAM; (B. NOVEMBER 1, 1938),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - ALLAHABAD '57; M.SC. CHEMISTRY - ALLAHABAD '60; PH.D. CHEMISTRY - ROORKEE '69.

SPECIALIZATIONS : PHYSICAL CHEMISTRY; CHEMISTRY OF BUILDING MATERIALS.

EXPERIENCE : LECTURER, S.C.COLLEGE, BALLIA, 1961-62; LECTURER, K.K.COLLEGE, LUCKNOW, 1962-64; LECTURER, AHIR COLLEGE, REWARI, 1964-65; LECTURER, K.L.COLLEGE, REWARI, 1965-66; S.R.F., C.B.R.I., 1969-71; SCIENTIST B AND SCIENTIST C, C.B.R.I., 1971-82; SCIENTIST EI, C.B.R.I., 1982-88;

SCIENTIST EII, C.B.R.I. SINCE SEPTEMBER, 1988; (ALSO STUDY VISIT, W.GERMANY, 1982; ATTENDED UNESCO COURSE ON PRESERVATION OF STONES AGAINST AIR POLLUTION, VENICE, ITALY, 1983 AND CARRIED OUT ADVANCED RESEARCH AT I.C.C.R.I., ROME, 1985-86; DEPUTY LEADER OF CSIR DELEGATION FOR INDO-JORDANIAN S&T PROGRAMME, AMMAN, 1985).

PRESENT ACTIVITIES : R & D ON BUILDING MATERIALS & TECHNOLOGIES AND ENVIRONMENTAL PROTECTION.

LANGUAGES : URDU, HINDI, ENGLISH.

VISITED : W. GERMANY, ITALY, JORDAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 27, TECH. REPORTS - 5, ARTICLES - 18, PROCESSES DEVELOPED - 5.

AWARDS & DISTINCTIONS : FICCI AWARD ON THE DEVELOPMENT OF IMPROVED ASPHALTIC SHEET FROM WASTE PAPER, 1982.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 21, TEACHING - 6.

5242

SHRI SANJAY BASU; (B. MARCH 1, 1947),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. (HONS.) - I.I.T., KHARAGPUR '68; M.U.R.P. URBAN AND RURAL PLANNING - ROORKEE '81.

SPECIALIZATIONS : URBAN AND RURAL LOW COST HOUSING; EXTENSION; ARCHITECTURAL PLANNING AND DESIGN; ENVIRONMENTAL PLANNING; TOWN PLANNING.

EXPERIENCE : ARCHITECT, CHATTERJEE & POLK, CALCUTTA, 1970-72; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1972-88; SCIENTIST EII, C.B.R.I. SINCE MARCH, 1988.

PRESENT ACTIVITIES : TECHNOLOGY TRANSFER AND EXTENSION OF BUILDING RESEARCH AND R & D.

LANGUAGES : BENGALI, ENGLISH, HINDI.

VISITED : SRI LANKA.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 8, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 13, DESIGN - 18, CONSULTANCY - 4, CONSTRUCTION - 3, TECHNO-ECONOMIC SURVEYS - 6, TECHNOLOGY TRANSFER - 4, EXTENSION - 4.

5243

SHRI SUBODH KUMAR BHATNAGAR; (B. FEBRUARY 12, 1948),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '66; B.E. CHEMICAL - ROORKEE '70; PH.D. CHEMICAL - ROORKEE '90.

SPECIALIZATIONS : FIRE BEHAVIOUR OF MATERIALS; DESIGN AND DEVELOPMENT OF FIRE TEST INSTRUMENTS; FLAME SPREAD OF MATERIALS.

EXPERIENCE : J.R.F.; S.S.A., SCIENTIST B, SCIENTIST C, SCIENTIST EI C.B.R.I., 1970-89; (ALSO ADVANCED TRAINING, FIRE RESEARCH STATION, U.K. '83); SCIENTIST EII, C.B.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : EVALUATION OF FIRE CHARACTERISTICS; DEVELOPMENT OF NEW TECHNIQUES FOR FLAME SPREAD/STANDARDS.

LANGUAGES : HINDI, ENGLISH.

VISITED : U.K., W. GERMANY, FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 120, BOOK REVIEWS - 12

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, CONSULTANCY, TESTING, TECHNICAL DEV., R & D MANAGEMENT (TOTAL 20 YEARS).

5244

DR S C CHAKRABARTI; (B. DECEMBER 25, 1938),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. CIVIL - CALCUTTA '61; M.E. CIVIL - ROORKEE '76; PH.D. CIVIL - ROORKEE '84.

SPECIALIZATIONS : PREFABRICATED CONSTRUCTION; STRUCTURAL CERAMICS AND BRICK WORK; MULTISTOREYED BUILDINGS; COMPUTER AIDED ANALYSIS AND DESIGN OF STRUCTURES; INVESTIGATION OF DISTRESSED STRUCTURES.

EXPERIENCE : ASSISTANT ENGINEER, DEVELOPMENT CONSULTANT PVT. LTD., CALCUTTA, 1961-63; ASSISTANT ENGINEER, SHALIMAR TAR PRODUCTS(1955)PVT. LTD., CALCUTTA, 1963-66; LECTURER, REGIONAL ENGINEERING COLLEGE, DURGAPUR, 1966; AREA ENGINEER, M/S ASIATIC OXYGEN & ACETYLENE CO. LTD., CALCUTTA, 1966-68; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1968-87; SCIENTIST EII, C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN CONSTRUCTION, MULTISTOREYED BUILDINGS AND COMPUTER AIDED ANALYSIS AND DESIGN OF STRUCTURES; INVESTIGATION OF DISTRESSED BUILDINGS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 46, TECH. REPORTS - 64, REVIEW PAPERS - 12.

AWARDS & DISTINCTIONS : CERTIFICATE OF MERIT FOR MERITORIOUS PAPER, INSTITUTION OF ENGINEERS, (INDIA), 1980.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP.RES. - 20, DESIGN - 12, TECH. DEV. - 5, CONSTRUCTION - 5, TEACHING - 1, CONSULTANCY - 15, R & M MGMT - 10.

5245

SHRI AMITAVA DEB; (B. NOVEMBER 22, 1938),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - CALCUTTA '64; D.T.R.P. TOWN & REGIONAL PLANNING - CALCUTTA '67.

SPECIALIZATIONS : ARCHITECTURE; TOWN PLANNING; HOUSING; PREFABRICATION; CONSTRUCTION TECHNOLOGY AND MANAGEMENT.

EXPERIENCE : ARCHITECT, M/S BTM, CALCUTTA, 1964-67; SCIENTIST B AND SCIENTIST C, C.B.R.I., 1967-76; PRINCIPAL ARCHITECT, CHIEF ARCHITECT, GENERAL MANAGER AND RESIDENT ARCHITECT IN NIGERIA, 1976-83; SCIENTIST EI, C.B.R.I., 1983-88; SCIENTIST EII, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : DESIGN, PLANNING, CONSULTANCY, EXTENSION ETC; MANAGEMENT OF INFORMATION AND OVERSEAS COLLABORATION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : NIGERIA, BRAZIL, ITALY, U.K., FRANCE, U S A, CANADA, BHUTAN, SWITZERLAND, KENYA, TANZANIA, U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 20, ARTICLES - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 8, DESIGN - 22, TECHNICAL DEV. - 5, CONSULTANCY - 15, R & D MGMT. - 16, CONSTRUCTION - 12, OPERATION - 2, QUALITY CONTROL - 22, IND. MGMT. - 7, TEACHING - 6, SURVEY OF NAT. RESOURCES - 7, TECHNO-ECONOMIC SURVEYS - 7, PLANNING - 4, TECHNOLOGY TRANSFER - 4, ADMN. - 9, EDITING - 1, EXTEN

5246

SHRI B B GARG; (B. JUNE 7, 1938),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE

QUALIFICATIONS : B.SC. - AGRA '56; B.ARCH. - ROORKEE '62; M.A. ANCIENT HISTORY & CULTURE; P.G. DIPLOMA HOUSING - SCHOOL OF PLANNING & ARCHITECTURE, NEW DELHI '67; P.G. DIPLOMA TOWN & COUNTRY PLANNING - SCHOOL OF PLANNING & ARCHITECTURE, NEW DELHI '69.

SPECIALIZATIONS : TOWN PLANNING; HOUSING; ARCHITECTURE.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1965-85; SCIENTIST EII, C.B.R.I. SINCE OCTOBER, 1985.

PRESENT ACTIVITIES : R & D IN HOUSING AND TOWN PLANNING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 50, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, TECHNICAL DEV., CONSULTANCY, R & D MGMT., TEACHING AND PLANNING - TOTAL 28 YEARS.

5247

SHRI S K GOSWAMY; (B. MARCH 20, 1937),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE

QUALIFICATIONS : B.S. CIVIL - NEBRASKA, U S A '62; M.S. CIVIL - NEBRASKA, U S A '64; E.I.T. CERTIFICATE IN ENGINEERING FUNDAMENTALS - NEBRASKA, U S A '64.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; ENGINEERING MECHANICS; PREFABRICATION; STATISTICAL QUALITY CONTROL.

EXPERIENCE : STRUCTURAL ENGINEER, HYGAIN ANTENA MFG. CO., LINCON, NEBRASKA, U S A, 1962-63; RESEARCH ENGINEER, STATE HIGHWAY DEPARTMENT, NEBRASKA, U S A, 1963-65; POOL OFFICER, C.S.I.R., 1965-68; SCIENTIST B, SCIENTIST C, AND SCIENTIST EI, C.B.R.I., 1968-88; SCIENTIST EII, C.B.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : RESEARCH IN BUILDING DESIGN & CONSTRUCTION; DEVELOPMENT OF PREFABRICATED ELEMENTS FOR FLAT & PITCHED ROOF'S CONSTRUCTION.

LANGUAGES : PUNJABI, HINDI, URDU, ENGLISH.

VISITED : U S A, U.K., FRANCE, SWITZERLAND, W. GERMANY, ITALY, U.A.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 30, BOOKLETS - 6, PROCESSES DEVELOPED - 10, PROCESSES UNDER UTILISATION - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 21, DESIGN - 9, ADMN. - 3, CONSTRUCTION - 5, CONSULTANCY - 15, QUALITY CONTROL - 2, TECHNO-ECONOMIC SURVEYS - 2.

5248

DR J P JAIN; (B. FEBRUARY 14, 1940),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE,

QUALIFICATIONS : M.SC. CHEMISTRY - ROORKEE '64; PH.D. CHEMISTRY - ROORKEE '68.

SPECIALIZATIONS : FIRE RETARDANT TREATMENT OF MATERIALS; CHEMICAL ANALYSIS; INSTRUMENTAL CHEMICAL ANALYSIS; COORDINATION CHEMISTRY.

EXPERIENCE : J.R.F. (C.S.I.R), UNIVERSITY OF ROORKEE, ROORKEE, 1965-68; S.R.F., C.B.R.I., 1968-69; S.S.A., SCIENTIST B AND SCIENTIST C, C.B.R.I., 1969-83; SCIENTIST EI, C.B.R.I., 1983-88; SCIENTIST EII, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, REPORTS - 5, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 8, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.-4, APP. RES.-21, R&D MGMT.-21.

5249

SHRI M P JAISINGH; (B. MARCH 9, 1942),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. CIVIL ENGINEERING - KERALA '63; M.E. STRUCTURAL ENGINEERING - ROORKEE '73.

SPECIALIZATIONS : PREFABRICATED CONSTRUCTION; LOW COST HOUSING; STRUCTURAL ENGINEERING.

EXPERIENCE : SUPERINTENDENT, MILITARY ENGG. SERVICE, 1963-64; ASSISTANT ENGINEER, TATA IRON & STEEL CO. LTD., JAMSHEDPUR, 1964-65; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1966-86; (ALSO STUDIES IN PREFABRICATED CONSTRUCTION FOR MASS HOUSING, HUNGARY, 1972; PRINCIPAL RESEARCH OFFICER NIGERIAN BUILDING AND ROAD RESEARCH INSTITUTE, LAGOS, 1982-84); SCIENTIST EII, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH IN BUILDING DESIGNS AND CONSTRUCTION.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

VISITED : HUNGARY, NIGERIA, LIBYA, ITALY, U.K., FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 24, TECH. REPORTS - 28, PROCESSES DEVELOPED - 7, PROCESSES UNDER UTILISATION - 5, TEXT BOOK - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, DESIGN - 15, CONSTRUCTION - 2, CONSULTANCY - 5, R & D MANAGEMENT - 10, TECHNOLOGY TRANSFER - 10.

5250

SHRI B K JINDAL; (B. JANUARY 5, 1937),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '58; M.E. CIVIL ENGINEERING - ROORKEE '71; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '64.

SPECIALIZATIONS : PREFABRICATED CONSTRUCTION; LOW COST HOUSING; DESIGN OF CONCRETE MIXES; BUILDING MATERIALS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1958-87; (ALSO STUDY IN PREFABRICATED SYSTEMS OF CONSTRUCTION, U.S.S.R., 1974 AND SENIOR ENGINEER, ON DEPUTATION TO B.H.E.L., LIBYA, 1977-78); SCIENTIST EII, C.B.R.I. SINCE APRIL, 1987.

PRESENT ACTIVITIES : DESIGN OF FOUNDATION FOR NV COMPLEXES; DESIGN AND PLANNING OF EXTERNAL SERVICES FOR NV COMPLEXES.

LANGUAGES : HINDI, ENGLISH.

VISITED : U.S.S.R., LIBYA.

PUBLICATIONS & PATENTS : RES. PAPERS - 21, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, DESIGN - 4, CONSULTANCY - 3, CONSTRUCTION - 4, QUALITY CONTROL - 5, EXTENSION - 4.

5251

DR GOPAL KRISHAN; (B. JANUARY 5, 1944),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '62; B.E. MECHANICAL ENGINEERING - ROORKEE '67; M.E. THERMO SCIENCE - ROORKEE '74; PH.D. - ROORKEE 1988.

SPECIALIZATIONS : MATHEMATICAL MODELLING OF COMBUSTION PROCESSES; FIRE ENGINEERING.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1970-87; SCIENTIST EII, C.B.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : RESEARCH IN ACTIVE FIRE PROTECTION.

LANGUAGES : HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 3, ARTICLES - 3, PATENTS TAKEN - 1, PATENTS FILED - 1, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 11, APP. RES. - 17, DESIGN - 17, TECHNICAL DEV. - 17, CONSULTANCY - 3, R & D MGMT. - 3, COMPUTER PROCESSING - 11.

5252

DR V K MAITREYA; (B. DECEMBER 29, 1940),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '60; M.SC. PHYSICS - AGRA '62; PH.D. PHYSICS - AGRA '70.

SPECIALIZATIONS : ENERGY EFFICIENT BUILDING DESIGN; ELECTRONICS; ILLUMINATION; COLOUR SCIENCE; THERMAL COMFORT AND CLIMATES.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., ROORKEE, 1969-87; (STUDY IN COLOUR SCIENCE, WEST GERMANY, 1972-73 AND CHIEF RESEARCH OFFICER, NIGERIA TO SET UP BUILDING OF PHYSICS LABORATORY IN NIGERIAN BUILDING AND ROAD RESEARCH INSTITUTE, 1982-83); SCIENTIST EII, C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH IN ENERGY CONSERVATION IN ENVIRONMENTAL DESIGN.

LANGUAGES : HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, U.K., NIGERIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 50.

AWARDS & DISTINCTIONS : FELLOW, OPTICAL SOCIETY OF INDIA; FELLOW, INDIAN SOCIETY OF LIGHTING ENGINEERS.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 23, TEACHING - 1.

5253

DR G S MEHROTRA; (B. JULY 1, 1938),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : M.SC. GEOLOGY - LUCKNOW '59; PH.D. GEOLOGY - ROORKEE '73.

SPECIALIZATIONS : PETROGRAPHY AND MINERALOGY; BUILDING MATERIALS; GEOLOGICAL AND GEOTECHNICAL INVESTIGATION OF INSTABLE SLOPES.

EXPERIENCE : J.R.F. (CSIR), P.W.D. RESEARCH INSTITUTE, LUCKNOW, 1960-62; S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1962-86; (ALSO BUILDING MATERIALS EXPERT, GOVERNMENT OF LIBYA, 1977-80); SCIENTIST EII, C.B.R.I. SINCE APRIL, 1986.

PRESENT ACTIVITIES : R & D ON SLOPE INSTABILITY PROBLEMS OF HIMALAYAN REGIONS.

LANGUAGES : HINDI, ENGLISH.

VISITED : LIBYA.

PUBLICATIONS & PATENTS : RES. PAPERS - 58, TECH. REPORTS - 13.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 30, APP. RES. - 30.

5254

MRS A PHATAK; (B. MAY 3, 1942),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. TELECOMMUNICATION - ROORKEE '62.

SPECIALIZATIONS : TELECOMMUNICATION ENGINEERING.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, C.B.R.I., 1962-83; SCIENTIST EI, C.B.R.I., 1983-88; SCIENTIST EII, C.B.R.I. SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : MAINTENANCE OF ELECTRONIC INSTRUMENTS AND R&D PROJECT ON HOLOGRAPHIC NON-DESTRUCTIVE TESTING

LANGUAGES : HINDI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS-1, TECH. REPORTS-1, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 10, MAINTENANCE - 15.

5255

DR SATYA PRAKASH; (B. NOVEMBER 1, 1941),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - B.H.U. '61; B.SC.(TECH) SILICATE TECHNOLOGY - B.H.U. '66; PH.D. CERAMIC ENGINEERING - B.H.U. '84.

SPECIALIZATIONS : GLASS AND CERAMICS; CEMENT TECHNOLOGY; FUEL AND FURNACES; GLAZES AND CERAMIC COLOURS.

EXPERIENCE : GLASS TECHNOLOGIST, MOHAN CRYSTAL GLASS WORKS, GHAZIABAD, 1967-68; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1968-87; SCIENTIST EII, C.B.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : RESEARCH IN BUILDING MATERIALS, BRICKS & TILES, BIOMASS UTILISATION AS FUEL, BRICKS FROM INFERIOR SOILS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 8, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILISATION - 4.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA); MEMBER, AMERICAN CERAMIC SOCIETY.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 5, DESIGN - 2, TECHNICAL DEVELOPMENT - 3, PILOT PLANT - 3, CONSULTANCY - 4, PRODUCTION - 4.

5256

DR P R RAJAGOPALAN; (B. JULY 1, 1936),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : M.A. PHYSICS - MADRAS '56; M.SC. PHYSICS - MADRAS '57; PH.D. PHYSICS - MADRAS '72.

SPECIALIZATIONS : ULTRASONICS; ACOUSTIC EMISSION AND VIBRATION ANALYSIS FOR NON-DESTRUCTIVE TESTING; ELECTRONIC INSTRUMENTATION; X-RAYS AND CRYSTALLOGRAPHY.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1958-86; SCIENTIST EII, C.B.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : RESEARCH IN NON-DESTRUCTIVE TESTING OF BUILDING MATERIALS AND COMPONENTS.

LANGUAGES : TAMIL, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, ARTICLES - 13.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 32, TECH. DEV. - 28, CONSULTANCY - 28, TESTING - 28, MAINTENANCE - 23, TEACHING - 1.

5257

DR B G RAO; (B. SEPTEMBER 2, 1935),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - LUCKNOW '58; GRAD. I.E. CIVIL ENGINEERING - INSTITUTION OF ENGINEERS '69; M.E.(CIVIL) GEOTECHNICAL ENGINEERING - ROORKEE '76; PH.D. GEOTECHNICAL ENGINEERING - ROORKEE '83.**SPECIALIZATIONS :** GEOTECHNICAL ENGINEERING; FOUNDATION IN WEAK SUBSOILS AND PROBLEMATIC DEPOSITS; GROUND IMPROVEMENT; SUBSOIL INVESTIGATIONS FOR FOUNDATION DESIGN; CONSTRUCTION OF SELF SETTING SOIL SLURRY PILES, MINI GROUTED AND GRANULAR PILES; FOUNDATION STRENGTHENING FOR DISTRESSED STRUCTURES.**EXPERIENCE :** J.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1959-88; (ALSO VISITED U.S.A FOR STUDY, TEACHING AND VISITS TO DIFFERENT UNIVERSITIES, CONSTRUCTION AND CONSULTANCY FIRMS, 1975-85; AND NIGERIA AS PRINCIPAL CIVIL ENGINEER, 1982-84); SCIENTIST EII, C.B.R.I. SINCE JANUARY, 1988.**PRESENT ACTIVITIES :** R & D AND CONSULTANCY IN GEOTECHNICAL ENGINEERING.**LANGUAGES :** HINDI, ENGLISH.**VISITED :** U.S.A, NIGERIA.**PUBLICATIONS & PATENTS :** RES. PAPERS - 65, TECH. REPORTS - 60, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 3.**AWARDS & DISTINCTIONS :** BEST PAPER AWARD, INSTITUTION OF ENGINEERS, (INDIA), 1985; KHOSLA RESEARCH AWARD, 1985, 1986; FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1985; FELLOW, INDIAN GEOTECHNICAL SOCIETY, 1986.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 30, DESIGN - 25, TECHNICAL DEV. - 15, CONSULTANCY - 24, R & D MGMT. - 20, CONSTRUCTION - 4, TESTING - 9, TEACHING - 10, PLANNING - 6, TECHNOLOGY TRANSFER - 10, ADMN. - 10, EXTENSION - 8.

5258

SHRI P R RAO; (B. DECEMBER 18, 1936),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE-ROORKEE.

QUALIFICATIONS : L.C.E. CIVIL ENGINEERING-AP '55; A.M.I.E. - INSTITUTION OF ENGINEERS (INDIA) '67; M.E. CIVIL ENGINEERING (STRUCTURAL) - ROORKEE '71.**SPECIALIZATIONS :** STRUCTURAL ENGINEERING; DISASTER HOUSING; BUILDING MATERIALS; LOW COST FUNCTIONAL BUILDINGS.**EXPERIENCE :** FOREMAN CIVIL, ELECTRICITY DEPT. (A.P), 1955-56; SUPERVISOR, P.W.D.(A.P), 1956-61; S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1961-86; SCIENTIST EII, C.B.R.I. SINCE FEBRUARY, 1986.**PRESENT ACTIVITIES :** EXTENSION OF ECONOMICAL BUILDING PROCESSES IN MASS HOUSING & BUILDING INDUSTRIES.**LANGUAGES :** TELUGU, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 3, TECH. REPORTS - 3, ARTICLES - 100.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 10, DESIGN - 5, CONSTRUCTION - 2, EXTENSION - 20.

5259

SHRI N K SHANGARI; (B. JUNE 30, 1947),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. CIVIL ENGINEERING - B.H.U. '68; M.E. CIVIL ENGINEERING - ROORKEE '70.**SPECIALIZATIONS :** LOW COST HOUSING; PRECAST PRESTRESSED R.C.BRIDGES; EXTENSION AND TECHNOLOGY TRANSFER IN LOW COST HOUSING.**EXPERIENCE :** ASSISTANT ENGINEER, U.P.P.W.D., 1970-73; DESIGN ENGINEER AND RESIDENT CONSTRUCTION ENGINEER, U.P. STATE BRIDGE CORPORATION, 1973-77; SCIENTIST C, C.B.R.I., 1977-83; SCIENTIST EI, C.B.R.I., 1983-88; SCIENTIST EII, C.B.R.I. SINCE APRIL, 1988.**PRESENT ACTIVITIES :** DEVELOPMENT OF BUILDING TECHNIQUES; EXTENSION TECHNOLOGY TRANSFER; CONSULTANCY AND GUIDANCE IN LOW COST BUILDINGS.**LANGUAGES :** PUNJABI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 15, TECH. REPORTS - 30, ARTICLES - 2, BOOK - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 1, DESIGN - 8, TECHNICAL DEVELOPMENT - 6, CONSULTANCY - 6, CONSTRUCTION - 6, OPERATION - 2, TESTING - 1, QUALITY CONTROL - 5, TECHNOLOGY TRANSFER - 10, ADMINISTRATION - 3, EXTENSION - 10.

5260

DR B D SHARMA; (B. JUNE 3, 1943),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - ALLAHABAD '62; B.TECH. (HONS.) CIVIL ENGINEERING - I.I.T., KHARAGPUR '67; PH.D. STRUCTURAL ENGINEERING - I.I.T., KHARAGPUR '75.**SPECIALIZATIONS :** STRUCTURAL DESIGN AND CONSTRUCTION; R & D MANAGEMENT; CONSULTANCY; TECHNOLOGY TRANSFER.**EXPERIENCE :** ASSOCIATE LECTURER AND LECTURER, I.I.T., KHARAGPUR, 1967-73; CIVIL/STRUCTURAL ENGINEER, INTER STATE EQUIPMENT INDIA PVT. LTD., 1973-74; SCIENTIST C, C.B.R.I., 1974-82; SCIENTIST EI, C.B.R.I., 1983-89; SCIENTIST EII, C.B.R.I. SINCE FEBRUARY, 1989.**PRESENT ACTIVITIES :** PLANNING, DESIGN AND EXECUTION OF R & D PROJECTS AND COMPUTER SOFTWARE PACKAGES IN CONSTRUCTION ENGINEERING.**LANGUAGES :** HINDI, SANSKRIT, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPER - 21, TECH. REPORTS - 3, ARTICLES - 3.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 5, APP. RES. - 15, DESIGN - 14, CONSULTANCY - 14, R & D MGMT. - 14, CONSTRUCTION - 12, TESTING - 3, TEACHING - 7, TECHNOLOGY TRANSFER - 10, ADMINISTRATION - 3, COMPUTER PROCESSING - 10, EXTENSION - 10.

5261

SHRI DEVENDRA SHARMA; (B. DECEMBER 29, 1935),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '55; DIPLOMA IN CIVIL ENGINEERING - ROORKEE '58; M.E. CIVIL ENGINEERING - ROORKEE '72.

SPECIALIZATIONS : GEOTECHNICAL ENGINEERING; FOUNDATION ENGINEERING.

EXPERIENCE : J.S.A., S.S.A. SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1958-86; (ALSO PRINCIPAL CIVIL ENGINEER, NIGERIA, 1982-85); SCIENTIST EII (COORDINATOR GEOTECHNICAL ENGINEERING), C.B.R.I. SINCE JANUARY 1986.

PRESENT ACTIVITIES : RESEARCH AND CONSULTANCY.

LANGUAGES : HINDI, SANSKRIT, URDU, ENGLISH.

VISITED : GREECE, NIGERIA, U.K., U.A.E., NEPAL.

PUBLICATIONS & PATENTS : RES. PAPERS - 54, TECH. REPORTS - 58, SCIENTIFIC BOOKS - 1, ARTICLES - 7, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA); FELLOW, INDIAN GEOTECHNICAL SOCIETY.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 16, DESIGN - 1, CONSULTANCY - 5, R & D MANAGEMENT - 4, CONSTRUCTION - 1, TESTING - 1, TEACHING - 2.

5262

DR T P SHARMA; (B. SEPTEMBER 12, 1946),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '64; B.E. (HONS.) CHEMICAL ENGINEERING - ROORKEE '69; PH.D. CHEMICAL ENGINEERING '90.

SPECIALIZATIONS : STRUCTURAL FIRE PROTECTION; FIRE EXTINGUISHING AGENTS AND TECHNIQUES; FIRE ENGINEERING.

EXPERIENCE : J.R.F., C.B.R.I., 1970-73; SCIENTIST B AND SCIENTIST C, C.B.R.I., 1973-83; SCIENTIST EI, C.B.R.I., 1983-88; SCIENTIST EII, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 42, ARTICLES - 1, PATENTS TAKEN - 1, PATENTS FILED - 2, TEST REPORTS - 58.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 17, APP. RES. - 18, DESIGN - 12, TECHNICAL DEVELOPMENT - 6, TESTING - 12. (TOTAL EXPERIENCE - 20 YEARS)

5263

SHRI AMAR SINGH; (B. JULY 10, 1935),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '58; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '64; M.E. CIVIL ENGINEERING - ROORKEE '74.

SPECIALIZATIONS : SOIL MECHANICS; FOUNDATION ENGINEERING; SUBSOIL EXPLORATION; GEOTECHNICAL INSTRUMENTATION.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1959-83; SCIENTIST EI, C.B.R.I., 1983-88; SCIENTIST EII, C.B.R.I. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 10, BOOK REVIEWS - 1, PROCESSES DEVELOPED - 3.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, CONSULTANCY AND TESTING - (TOTAL: 24 YEARS).

5264

SHRI U N SINHA; (B. JANUARY 20, 1941),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '76; M.SC.(ENGG) CIVIL - BIHAR '84.

SPECIALIZATIONS : SOIL MECHANICS AND FOUNDATION ENGINEERING; DEVELOPMENT OF BUILDING MATERIALS FOR LOW COST HOUSING; CONCRETE TECHNOLOGY; BITUMINOUS CONSTRUCTION OF ROADS AND RUNWAYS.

EXPERIENCE : ASSISTANT INSPECTOR OF WORKS, N.F. RAILWAY, KURSEONG, 1960-63; S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., JORHAT, 1963-81; (ON DEPUTATION WITH IAAI, FOREIGN ASSIGNMENT 1980-85 AT RIYAN AIRPORT PROJECT, P.D.R. OF YEMEN); SCIENTIST EI, C.B.R.I., 1983-88; SCIENTIST EII, C.B.R.I., SINCE 1988.

PRESENT ACTIVITIES : R & D IN GEOTECHNICAL ENGINEERING.

LANGUAGES : ENGLISH, HINDI, BENGALI, ASSAMESE.

VISITED : BHUTAN, YEMEN.

PUBLICATIONS & PATENTS : RES. PAPERS - 45, TECH. REPORTS - 1600, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 6.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA).

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., CONSTRUCTION AND CONSULTANCY - (TOTAL 31 YEARS).

5265

SHRI B K TYAGI; (B. DECEMBER 1, 1937),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - ROORKEE '63; P.G. DIPLOMA IN BUILDING SCIENCE & TECHNOLOGY - ROORKEE '78; M.ARCH. - ROORKEE '80.

SPECIALIZATIONS : ARCHITECTURE; BUILDING SCIENCE & TECHNOLOGY; DESIGN AND DEVELOPMENT OF HEALTH CARE BUILDINGS, HOUSING & EDUCATIONAL BLDGS.

EXPERIENCE : ASSISTANT ARCHITECT, KANVINDE & RAI, NEW DELHI, 1963-65; HIGHER STUDIES IN ARCHITECTURE, POLYTECHNIC OF MILAN, ITALY, 1965-66; ARCHITECT, JAIN & ASSOCIATES, DELHI, 1966-67; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1967-87; (ALSO TRAINING IN FUNCTIONAL PLANNING & PRE-FABRICATION IN HOUSING AT NATIONAL SWEDISH INSTT. FOR BUILDING RESEARCH, 1971, AND PRINCIPAL ARCHITECT AND PRINCIPAL LECTURER IN NIGERIA, 1980-84); SCIENTIST EII, C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN HEALTH CARE AND EDUCATIONAL BUILDINGS.

LANGUAGES : HINDI, ENGLISH, ITALIAN.

VISITED : ITALY, SWEDEN, NIGERIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 21, TECH. REPORTS - 21.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21, CONSTRUCTION - 5, TEACHING - 2.

5266

DR C L VERMA; (B. OCTOBER 22, 1944),

SCIENTIST EII, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - I.I.T., KANPUR '67; M.TECH. CHEMICAL ENGINEERING - I.I.T., BOMBAY '69; PH.D. CHEMICAL ENGINEERING - ROORKEE '87.

SPECIALIZATIONS : CHEMICAL PLANT DESIGN; SIMULATION AND DESIGN OF LIME KILNS; TECHNO-ECONOMIC FEASIBILITY REPORTS FOR BLDGS MATERIALS AND CHEM PROCESSES & PLANTS; POLLUTION ABATEMENT.

EXPERIENCE : TECHNICAL TEACHER TRAINEE, IIT, BOMBAY AND KANPUR, 1967-70; LECTURER, UNIVERSITY OF ROORKEE, ROORKEE, 1970-73; SCIENTIST C AND SCIENTIST EI, C.B.R.I., 1973-87; SCIENTIST EII, C.B.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : R & D IN PLANTS AND PROCESSES FOR BUILDING MATERIALS-LIME MANUFACTURE, POLLUTION CONTROL SYSTEM.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 26, TECH. REPORTS - 34, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA).

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 16, DESIGN - 12, TECHNICAL DEVT. - 12, PILOT PLANT - 12, CONSULTANCY - 12, CONSTRUCTION - 12, OPERATION - 12, TEACHING - 5, TECHNO-ECONOMIC SURVEYS - 12, PLANNING - 2, COMPUTER PROCESSING - 5, POLLUTION ABATEMENT - 3.

5267

SHRI V K AGARWAL; (B. JANUARY 25, 1945),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - ROORKEE '68; POST GRADUATE DIPLOMA IN BUILDING SCIENCE & TECHNOLOGY - ROORKEE '77.

SPECIALIZATIONS : ARCHITECTURAL DESIGN; BUILDING SCIENCE & TECHNOLOGY; DESIGN AND DEVELOPMENT OF EDUCATIONAL BUILDINGS; LOW COST HOUSING.

EXPERIENCE : S.S.A., SCIENTIST B, AND SCIENTIST C, C.B.R.I. 1969-87; (ALSO STUDY OF DESIGN AND DEVELOPMENT OF EFFICIENT & ECONOMICAL FURNITURE FOR SCHOOLS, UNESCO, BANGKOK, THAILAND'82); SCIENTIST EI, C.B.R.I. SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : R & D IN ARCHITECTURE, EDUCATIONAL BUILDING AND URBAN HOUSING FOR LOW INCOME GROUPS.

LANGUAGES : HINDI, ENGLISH.

VISITED : THAILAND, BULGARIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 3, ARTICLES - 3, BOOK REVIEW - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, DESIGN - 6, TECH. DEVT. - 3, CONSULTANCY - 2, CONSTRUCTION - 4.

5268

DR L K AGGARWAL; (B. MARCH 31, 1947),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - PANJAB '66; M.SC. CHEMISTRY - ROORKEE '68; PH.D. CHEMISTRY - ROORKEE '74.

SPECIALIZATIONS : CORROSION AND ITS PROTECTION; PROTECTIVE AND DECORATIVE COATINGS; FIBER REINFORCED BUILDING MATERIALS.

EXPERIENCE : P.D.F., C.B.R.I., 1973-76; POOL OFFICER (C.S.I.R.), UNIVERSITY OF ROORKEE, ROORKEE, 1977-78; SCIENTIST B, AND SCIENTIST C, C.B.R.I., 1983-88; SCIENTIST EI, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN BUILDING MATERIALS.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, TEACHING - 4.

5269

SHRI S P S BEDI; (B. JANUARY 20, 1940),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '58; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS, (INDIA) '62; M.E. CIVIL ENGINEERING - ROORKEE '81.

SPECIALIZATIONS : STRUCTURAL MASONRY; BUILDING PROCESS DEVELOPMENT; PREFABRICATION AND CONCRETE TECHNOLOGY.

EXPERIENCE : JUNIOR ENGINEER, C.P.W.D., 1958-60; J.S.A., C.B.R.I., 1960-63; JUNIOR ENGINEER (GRADUATE), C.P.W.D., 1963-68; SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1968-84; SCIENTIST EI, C.B.R.I. SINCE MAY, 1984.

PRESENT ACTIVITIES : RESEARCH IN BUILDING PROCESSES; ESTABLISHMENT OF A BUILDING CENTRE AT DELHI.

LANGUAGES : PUNJABI, URDU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 6, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, TECHNICAL DEVELOPMENT 7, CONSTRUCTION - 5, STRUCTURAL DESIGN - 2.

5270

SHRI N C BHAGAT; (B. SEPTEMBER 5, 1935),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING '55; B.A. - PANJAB '59; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '75; DIPLOMA IN PRODUCTION PLANNING AND CONTROL - PUNJAB '80; DIPLOMA IN PROJECT MANAGEMENT - PUNJAB '83.

SPECIALIZATIONS : TECHNOLOGY TRANSFER; CONSULTANCY; CONSTRUCTION.

EXPERIENCE : SECTION OFFICER, CAPITAL PROJECT, CHANDIGARH, 1955-63; ASSISTANT ENGINEER, DIRECTOR GENERAL BORDER ROADS, 1963-66; S.S.A., C.B.R.I., 1966-71; SCIENTIST A, C.B.R.I., ROORKEE AND CIVIL ENGINEER, C.S.I.O., CHANDIGARH, 1971-76; SCIENTIST B AND SCIENTIST C, C.B.R.I., 1976-84; SCIENTIST EI, C.B.R.I. SINCE DECEMBER, 1984.

PRESENT ACTIVITIES : DEVELOPMENT, CONSTRUCTION, DEMONSTRATION AND EXTENSION OF PROCESSES/TECHNIQUES, CONSULTANCY; PROJECT MONITORING & EVALUATION.

LANGUAGES : HINDI, PUNJABI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 34, TECH. REPORTS - 5, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, DESIGN - 3, TECHNICAL DEVELOPMENT - 12, CONSULTANCY - 8, CONSTRUCTION - 35, MAINTENANCE - 9, PRODUCTION - 4, TECHNOLOGY TRANSFER - 24, ADMINISTRATION - 9, EXTENSION - 24.

5271

DR P S BHANDARI; (B. OCTOBER 15, 1937),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '58; M.SC. PHYSICS - MEERUT '67; PH.D. PHYSICS - MEERUT '76.

SPECIALIZATIONS : ACOUSTICS; DESIGN OF HALLS AND AUDITORIA.

EXPERIENCE : S.L.A., J.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1959-85; SCIENTIST EI, C.B.R.I. SINCE MAY, 1985.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 19, TECH. REPORTS - 4, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21, CONSULTANCY - 15, TESTING - 21.

5272

SHRI N N BHISE; (B. MAY 8, 1940),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - MAHARASHTRA '61; GRAD. I.E. CIVIL ENGINEERING - INSTITUTION OF ENGINEERS, (INDIA) '74; POST GRADUATE DIPLOMA IN BUILDING SCIENCE & TECHNOLOGY - ROORKEE '77; M.E. CIVIL ENGINEERING - ROORKEE '78.

SPECIALIZATIONS : PRECAST CONCRETE ELEMENTS; SYSTEM BUILDING; DAMPNES IN BUILDINGS.

EXPERIENCE : OVERSEER, P.W.D., MAHARASHTRA, 1961-62; STRUCTURAL AND ARCHITECTURAL ASSISTANT, NID, AHMEDABAD AND WITH A PRIVATE ARCHITECT, 1963-64; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C, C.B.R.I. 1964-87; SCIENTIST EI, C.B.R.I. SINCE JUNE '87.

PRESENT ACTIVITIES : R & D AND TECHNOLOGY UTILISATION IN BUILDING INDUSTRY.

LANGUAGES : MARATHI, HINDI, GUJARATI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS. - 32, TECH. REPORTS - 19, ARTICLES - 9, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27, DESIGN - 2, TECH. DEVT. - 25, CONSTRUCTION - 2, TESTING - 20, TECHNOLOGY TRANSFER - 2, EXTENSION - 2, WORK STUDY - 2. (YEARS OVERLAPPING)

5273

DR ISHWAR CHAND; (B. MARCH 17, 1945),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '62; M.SC. PHYSICS - AGRA '64; PH.D. PHYSICS - AGRA '75.

SPECIALIZATIONS : BUILDING PHYSICS; VENTILATION; UTILISATION OF WIND ENERGY.

EXPERIENCE : LECTURER, D.A.V. COLLEGE, MUZAFFARNAGAR, 1964-65; S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C, C.B.R.I., 1965-86; (ALSO PRINCIPAL RESEARCH OFFICER, NIGERIAN BUILDING & ROAD RESEARCH INSTITUTE, LAGOS 1982-83); SCIENTIST EI, C.B.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH, SANSKRIT.

PUBLICATIONS & PATENTS : RES. PAPERS - 54, TECH. REPORTS - 2, BUILDING DIGEST AND TECH. NOTE - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 26, TEACHING - 1.

5274

SHRI SURESH CHAND; (B. JULY 2, 1940),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - U.P. '61; GRAD. I.E. CIVIL ENGINEERING - INSTITUTION OF ENGINEERS (INDIA), 73; M.E. STRUCTURAL ENGINEERING - ROORKEE '79.

SPECIALIZATIONS : PARTIALLY PREFABRICATED PROCESSES FOR BUILDING INDUSTRY; LOW COST BUILDINGS; CONSTRUCTION; FERROCEMENT TECHNOLOGY; DESIGN.

EXPERIENCE : GRADUATE OVERSEER, J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1961-88; SCIENTIST EI, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN BUILDING TECHNOLOGY.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 27, TECH. REPORTS - 22, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, DESIGN - 25, TECHNICAL DEVELOPMENT - 25, CONSULTANCY - 16, CONSTRUCTION - 10, TESTING - 24, PRODUCTION - 5, PLANNING - 10, TECHNOLOGY TRANSFER - 8, COMPUTER PROCESSING - 3, EXTENSION - 2.

5275

HRI MAHESH CHANDRA; (B. JANUARY 15, 1945),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; B.E. CHEMICAL ENGINEERING - ROORKEE '69; M.E. CHEMICAL ENGINEERING - ROORKEE '72.

SPECIALIZATIONS : FIRE SAFETY IN HIGH RISE BUILDINGS.

EXPERIENCE : S.R.F., SCIENTIST B AND SCIENTIST C, C.B.R.I. 1973-86; SCIENTIST EI, C.B.R.I. SINCE DECEMBER 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, TECHNICAL DEV., PILOT PLANT AND CONSULTANCY - 17.

5276

DR MANIK CHANDRA; (B. JANUARY 3, 1945),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '64; M.SC. PHYSICS - I.I.T., KANPUR '66; PH.D. PHYSICS - ROORKEE '82.

SPECIALIZATIONS : SOLAR ENERGY UTILISATION; SOLAR RADIATION MEASUREMENT AND SOLAR PASSIVE ARCHITECTURE; BUILDING CLIMATOLOGY; SOLID STATE PHYSICS.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1968-88; (ALSO PRINCIPAL RESEARCH OFFICER, SOLAR ENERGY, NIGERIAN BUILDING AND ROAD RESEARCH INSTITUTE, NIGERIA, 1982-86); SCIENTIST EI, C.B.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : R & D IN SOLAR ENERGY.

LANGUAGES : HINDI, ENGLISH.

VISITED : NIGERIA, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 49, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 23, DESIGN - 3, TECHNICAL DEVELOPMENT - 3, COMPUTER PROCESSING - 25.

5277

DR PRAKASH CHANDRA; (B. JULY 22, 1941),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '61; M.SC. APPLIED MATHEMATICS - ROORKEE '67; PH.D. APPLIED MATHEMATICS - ROORKEE '73; POST GRADUATE DIPLOMA (COMPUTER SCIENCE) - ROORKEE '79.

SPECIALIZATIONS : HEAT TRANSFER; SOLAR ENERGY; COMPUTER SCIENCE; MATHEMATICAL MODELLING.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1962-87; SCIENTIST EI, C.B.R.I. SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : COMPUTER MANAGEMENT; RESEARCH IN HEAT TRANSFER AND SOLAR ENERGY UTILISATION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 54, TECH. REPORTS - 4, ARTICLES - 2, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, DESIGN - 3, COMPUTER PROCESSING - 15.

5278

DR KALYAN DASS; (B. JULY 1, 1940),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '60; M.SC. CHEMISTRY - ROORKEE '66; PH.D. CHEMISTRY - ROORKEE '84.

SPECIALIZATIONS : BUILDING MATERIALS; ANALYTICAL CHEMISTRY; CORROSION OF STEEL REINFORCEMENT IN CONCRETE; FIBRE REINFORCED MATERIALS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1966-88; SCIENTIST EI, C.B.R.I. SINCE JULY, 1988.

PRESENT ACTIVITIES : R & D IN BUILDING MATERIALS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 10, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, TEACHING - 2.

5279

SHRI V EASWARAN; (B. OCTOBER 5, 1942),

SCIENTIST EI, C.B.R.I. EXTENSION CENTRE, TRIVANDRUM (C.B.R.I., ROORKEE).

QUALIFICATIONS : LICENTIATE IN CIVIL ENGINEERING - TAMIL NADU '61; B.E. CIVIL ENGINEERING - MADURAI '74; M.SC. (ENGG.) STRUCTURAL ENGINEERING - MADURAI '77.

SPECIALIZATIONS : R.C.C. AND STEEL STRUCTURES; STRUCTURAL ANALYSIS; DESIGN AND CONSTRUCTION.

EXPERIENCE : SUPERVISOR, JUNIOR ENGINEER AND ASSISTANT ENGINEER, P.W.D., MADRAS, 1961-77; SCIENTIST B AND SCIENTIST C, C.B.R.I., 1978-88; SCIENTIST EI, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : CONSTRUCTION AND EXTENSION.

LANGUAGES : TAMIL, TELUGU, MALAYALAM, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP.RES., DESIGN, CONSULTATION CONSULTANCY AND TECHNOLOGY TRANSFER (TOTAL 29 YEARS).

5280

DR N K GARG; (B. FEBRUARY 9, 1946),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - ROORKEE '70; P.G. DIPLOMA IN BUILDING SCIENCE - ROORKEE '71; M.ARCH. BUILDING SCIENCE - ROORKEE '76; PH.D. THERMAL ENVIRONMENTAL CONTROL OF BUILDINGS - UNIV. OF LONDON '84.

SPECIALIZATIONS : THERMAL ENVIRONMENTAL ANALYSIS AND DESIGN OF BUILDINGS; COMPUTER APPLICATION IN ARCHITECTURAL DESIGN; DESIGN OF RESIDENTIAL, EDUCATIONAL, RECREATIONAL AND HEALTH CARE BUILDINGS.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, C.B.R.I., 1971-85; (ALSO STUDIES FOR PH.D., U.K., 1981-84); SCIENTIST EI, C.B.R.I. SINCE DECEMBER, 1985.

PRESENT ACTIVITIES : RESEARCH IN COMPUTER APPLICATIONS FOR ARCHITECTURAL PROBLEMS.

LANGUAGES : HINDI, ENGLISH.

VISITED : U.K., CANADA, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 15, CONSTRUCTION - 2.

5281

DR RAVINDER KUMAR GOEL; (B. JUNE 1, 1943),

DOCTOR (EI), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; M.B.B.S. - LUCKNOW '68.

SPECIALIZATIONS : MEDICINE.

EXPERIENCE : DOCTOR AND DOCTOR (B), C.B.R.I., 1972-81; DOCTOR(C), C.B.R.I. 1982-87; DOCTOR (EI), C.B.R.I. SINCE FEBRUARY 1987.

PRESENT ACTIVITIES : PROFESSIONAL PRACTICE.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : MEDICAL PRACTICE - 22.

5282

SHRI A K GUPTA; (B. JANUARY 18, 1949),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - ROORKEE '71; M.E. CHEMICAL ENGINEERING - ROORKEE '73.

SPECIALIZATIONS : AUTOMATIC SPRINKLERS; FIRE FIGHTING EQUIPMENT; MODELLING OF FIRE DYNAMICS.

EXPERIENCE : S.R.F., C.B.R.I., 1974-76; S.S.A., SCIENTIST B, AND SCIENTIST C, C.B.R.I., 1976-88; SCIENTIST EI, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : MATHEMATICAL MODELLING OF FIRE DYNAMICS; DESIGN AND DEVELOPMENT OF FIRE INITIATED DEVICES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS(INTERNATIONAL)-6 (NATIONAL)-15, PATENTS TAKEN - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, CONSULTANCY, FIRE SAFETY PLANNING (TOTAL 15 YEARS).

5283

SHRI B S GUPTA; (B. JUNE 6, 1947),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '66; B.E. CIVIL ENGINEERING - ROORKEE '69; M.E. STRUCTURAL DYNAMICS - ROORKEE '71.

SPECIALIZATIONS : PREFABRICATED BUILDING COMPONENTS FOR HOUSING; INSTRUMENTATION IN CIVIL ENGINEERING; COMPUTER HARDWARE.

EXPERIENCE : ASSISTANT ENGINEER, U.P. IRRIGATION, 1971-73; SCIENTIST B AND SCIENTIST C, C.B.R.I., 1973-85; SCIENTIST EI, C.B.R.I. SINCE JUNE, 1985.

PRESENT ACTIVITIES : LOW COST TECHNIQUES DEVELOPMENT FOR HOUSING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 6, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, DESIGN - 4.

5284

SHRI R L GUPTA; (B. DECEMBER 10, 1944),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - JIWAJI '66; M.E. MECHANICAL ENGINEERING - ROORKEE '74.

SPECIALIZATIONS : BUILDING INDUSTRY EQUIPMENT.

EXPERIENCE : J.R.F., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1967-85; (ALSO TRAINING IN THE DESIGN AND MANUFACTURE OF EQUIPMENTS USED IN BUILDING INDUSTRY, WEST GERMANY, 1974-75); SCIENTIST EI, C.B.R.I. SINCE AUGUST, 1985.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF EQUIPMENTS USED IN BUILDING INDUSTRY.

LANGUAGES : HINDI, PUNJABI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 6, PATENTS TAKEN - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, DESIGN - 5, TECHNICAL DEVT. - 10.

5285

SHRI S P GUPTA; (B. JULY 20, 1941),

TECHNICAL OFFICER (EI), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIP. IN CIVIL ENGINEERING - PANJAB '60; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '85; PRAGYA (HINDI) '72; M.S. TECHNOLOGICAL OPERATIONS - B.I.T.S., PILANI, 1991.

SPECIALIZATIONS : CIVIL ENGINEERING; PILE FOUNDATIONS; SOIL EXPLORATION AND INSITU ENGINEERING BEHAVIOUR OF EXPANSIVE CLAY; DISPLAY AND EXHIBITIONS.

EXPERIENCE : SECTIONAL OFFICER, P.W.D., PUNJAB, 1961-65; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1965-85; (ALSO FOUNDATION EXPERT, ON DEPUTATION, U.A.E., 1977); SCIENTIST C, C.B.R.I., 1985-90; TECHNICAL OFFICER (EI), C.B.R.I. SINCE AUGUST, 1990.

PRESENT ACTIVITIES : INFORMATION AND OVERSEAS COLLABORATION SERVICES.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

VISITED : UNITED ARAB EMIRATES, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 26, TECH. REPORTS - 11, ARTICLES - 2,

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.-2, APP. RES.-10, DESIGN - 1, CONSTRUCTION - 8, TESTING - 1, INFORMATION SERVICES - 5.

5286

SHRI V K GUPTA; (B. NOVEMBER 20, 1942),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - ROORKEE '65; M.E.(HONS.) STRUCTURES - ROORKEE '76.

SPECIALIZATIONS : STRUCTURAL DESIGN; RURAL HOUSING AND ENVIRONMENT.

EXPERIENCE : LECTURER AND HEAD OF CIVIL DEPARTMENT, K.L. POLYTECHNIC, ROORKEE, 1966-76; SCIENTIST B AND SCIENTIST C, C.B.R.I., 1976-87; SCIENTIST EI, SINCE AUGUST 1987.

PRESENT ACTIVITIES : R & D IN RURAL HOUSING AND ENVIRONMENT, LOW COST HOUSING; HOUSING FOR CYCLONE PRONE AREAS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, DESIGN - 10, CONSTRUCTION - 14, TEACHING - 10, ADMINISTRATION - 2.

5287

SHRI B N HIRA; (B. FEBRUARY 2, 1945),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. CIVIL - CALCUTTA '70; M.E. CIVIL ENGINEERING - ROORKEE '82.

SPECIALIZATIONS : BUILDING SCIENCE & TECHNOLOGY; LOW COST BUILDINGS; PREFABRICATED CONSTRUCTION; MECHANICAL HANDLING AND PRODUCTION OF BUILDING COMPONENTS; STRUCTURAL ENGINEERING.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, C.B.R.I., 1971-84; SCIENTIST EI, C.B.R.I. SINCE OCTOBER, 1984.

PRESENT ACTIVITIES : R & D IN BUILDINGS, PREFABRICATED CONSTRUCTION AND STRUCTURAL ENGINEERING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 18, ARTICLES - 2, PROCESSES DEVELOPED - 30, PROCESSES UNDER UTILISATION - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, DESIGN - 12, TECH. DEV. - 20, CONSULTANCY - 10, CONSTRUCTION - 2, QUALITY CONTROL - 1, PRODUCTION - 1.

5288

SHRI E S HIRALAL; (B. JUNE 19, 1942),

TECHNICAL OFFICER (EI), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - LUCKNOW '59.

SPECIALIZATIONS : HIGH DRAUGHT KILN; BRICK MAKING MACHINES.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1960-82; SCIENTIST C, C.B.R.I., 1982-88; TECHNICAL OFFICER (EI), C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 3, ARTICLES - 3, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 15, CONSULTANCY - 5, TESTING - 10.

5289

SHRI M P JAIN; (B. SEPTEMBER 10, 1936),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '56; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '79; M.E. CIVIL ENGINEERING - ROORKEE '82.

SPECIALIZATIONS : GEOTECHNICAL ENGINEERING; PILE FOUNDATIONS; SPLICE TECHNOLOGY.

EXPERIENCE : SCIENTIFIC ASSISTANT, 1957-62; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1962-87; SCIENTIST EI, C.B.R.I. SINCE FEBRUARY 1987.

PRESENT ACTIVITIES : R & D IN FOUNDATION ENGINEERING AND SPLICE PILE TECHNOLOGY.

LANGUAGES : HINDI, URDU, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 10, SCIENTIFIC BOOKS - 1, PATENTS TAKEN - 7, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA); FELLOW, INDIAN GEOTECHNICAL SOCIETY; IGS-AIMIL ANNUAL PRIZE FOR THE BEST PAPER ON INSTRUMENTATION, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 31.

5290

SHRI S K JAIN; (B. SEPTEMBER 16, 1945),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; B.E. MECHANICAL - JODHPUR '68.

SPECIALIZATIONS : DESIGN AND DEVELOPMENT OF PLANT AND PROCESSES FOR BUILDING MATERIALS.

EXPERIENCE : J.R.F., C.B.R.I., 1968-70; S.S.A., SCIENTIST B AND SCIENTIST C, C.B.R.I., 1970-84; SCIENTIST EI, C.B.R.I. SINCE APRIL, 1984.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF LIME PROCESSING EQUIPMENTS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 9, PROCESSES DEVELOPED - 9, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEVELOPMENT - 18, PILOT PLANT - 4.

5291

SHRI RAJINDER LAL; (B. MARCH 6, 1938),

TECHNICAL OFFICER (EI), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.A. - AGRA '58; M.A. PSYCHOLOGY - AGRA '60; M.A. SOCIOLOGY - PANJAB '63.

SPECIALIZATIONS : PSYCHOLOGY; SOCIOLOGY; SOCIAL SURVEYS.

EXPERIENCE : LECTURER, D.A.V. COLLEGE, JULLUNDHAR, 1964-65; J.R.F., C.B.R.I., 1965-1966; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1966-89; TECHNICAL OFFICER (EI), C.B.R.I. SINCE JUNE, 1989.

PRESENT ACTIVITIES : SOCIO-PSYCHOLOGICAL STUDIES.

LANGUAGES : HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 25, APP. RES. - 25, TEACHING - 1, PLANNING - 25, TECHNOLOGY TRANSFER - 25.

5292

DR IRSHAD QAZI MASOOD; (B. JULY 4, 1940),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - A.M.U. '59; M.SC. CHEMISTRY - A.M.U. '62; PH.D. CHEMISTRY - ROORKEE '70.

SPECIALIZATIONS : LOW TEMPERATURE CEMENTS; LIME AND POZZOLANA; CEMENTITIOUS BINDERS FROM WASTES.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1964-83; (ALSO VISITED BHUTAN TO ASSIST THE GOVT. IN LIME MANUFACTURING, 1974-75 AND LIBYA AS A BUILDING MATERIALS SPECIALIST, 1977-80); SCIENTIST EI, C.B.R.I. SINCE MAY, 1983; (ALSO ASSISTANT PROFESSOR, ON FOREIGN ASSIGNMENT, AL-FATEH UNIVERSITY, LIBYA SINCE 1986).

PRESENT ACTIVITIES : R & D AND TEACHING.

LANGUAGES : URDU, HINDI, ENGLISH.

VISITED : BHUTAN, LIBYA, KENYA, SURINAM, SAUDI ARABIA, UAE, U.K., U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 74, TECH. REPORTS - 43, ARTICLES - 12, PROCESSES DEVELOPED - 13, PROCESSES UNDER UTILISATION - 9.

AWARDS & DISTINCTIONS : PRESIDENT OF INDIA AWARD FOR A PAPER ON ACTIVATED LIME POZZOLANA MIXTURE, INSTITUTION OF ENGINEERS (INDIA), 1984-85.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 28, APP. RES. - 27, CONSULTANCY - 17, TEACHING - 5.

5293

SHRI S N MEHROTRA; (B. JANUARY 10, 1938),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - U.P. '59; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '79.

SPECIALIZATIONS : RURAL HOUSING; GRAIN STORAGE; TECHNOLOGY TRANSFER FOR LOW COST HOUSING.

EXPERIENCE : COMPUTER AND SECTION OFFICER, P.W.D., NAGALAND, 1959-62; SECTION OFFICER, MUNICIPAL CORPORATION, DELHI, 1963-64; CIVIL OVERSEER, N.A.L., BANGALORE, 1964-66; S.S.A., SCIENTIST A, SCIENTIST B, AND SCIENTIST C, C.B.R.I., 1966-88; SCIENTIST EI, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : DEVELOPMENT, CONSTRUCTION AND EXTENSION OF LOW COST HOUSING TECHNOLOGIES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 42, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, DESIGN - 5, TECHNICAL DEVELOPMENT - 12, CONSTRUCTION - 15, MAINTENANCE - 12, TECHNO-ECONOMIC SURVEYS - 2, EXTENSION - 3.

5294

DR S P MEHROTRA; (B. MARCH 8, 1939),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '59; M.SC. CHEMISTRY - AGRA '71; PH.D. CHEMISTRY - ROORKEE '88.

SPECIALIZATIONS : LIME AND POZZOLANA BINDERS; LIME-GYPSUM PLASTERS; CEMENT AND CONCRETE; AGRI-

CULTURAL AND INDUSTRIAL WASTES; ENERGY CONSERVATION IN CEMENT MANUFACTURING.

EXPERIENCE : JRF, S.S.A., C.G.C.R.I., CALCUTTA, 1964-67; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1967-87; SCIENTIST EI, C.B.R.I. SINCE FEB., 1987.

PRESENT ACTIVITIES : R & D IN CEMENTS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 28, TECH. REPORTS - 31, ARTICLES - 13, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES. -30, CONSULTANCY - 15.

5295

SHRI GAJENDER MEHTA; (B. JULY 29, 1946),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - PANJAB '66; B.ARCH. - PANJAB '71; M.ARCH - ROORKEE '90.

SPECIALIZATIONS : DESIGN OF HOSPITALS, RESIDENTIAL AND COMMUNITY BUILDINGS; LOW COST HOUSING AND SCHOOL BUILDINGS.

EXPERIENCE : ASSISTANT ARCHITECT WITH PRIVATE ARCHITECTS, 1971-73; SCIENTIST B, C.B.R.I., 1973-74; ARCHITECT (SELF EMPLOYED), 1974-76; SCIENTIST B AND SCIENTIST C, C.B.R.I., 1976-1987, SCIENTIST EI, C.B.R.I. SINCE JULY 1987.

PRESENT ACTIVITIES : RESEARCH AND DESIGN OF BUILDINGS AND CONSTRUCTION WORK.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 8, DESIGN - 14, TECHNICAL DEVELOPMENT - 5, CONSULTANCY - 5, R & D MGMT. - 5, CONSTRUCTION - 10, INDUSTRIAL MGMT. - 5, PLANNING - 14, EXTENSION - 9.

5296

SHRI H C MITAL; (B. JULY 24, 1936),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC.- AGRA '56; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA)'69; POST GRADUATE DIPLOMA IN JOURNALISM - RAJASTHAN '81.

SPECIALIZATIONS : CONCRETE TECHNOLOGY; PUBLIC RELATIONS; TECHNOLOGY TRANSFER.

EXPERIENCE : TEST AND CONTROL SUPERVISOR, RIHAND DAM, 1957-61; RESEARCH SUPERVISOR, U.P. IRRIGATION RESEARCH INSTITUTE, ROORKEE, 1961-72; SCIENTIST B AND SCIENTIST C, C.B.R.I., 1972-84; SCIENTIST EI, C.B.R.I. SINCE JULY, 1984.

PRESENT ACTIVITIES : PUBLIC RELATIONS AND INFORMATION DISSEMINATION.

LANGUAGES : HINDI, URDU, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS -4, TECH. REPORTS -11, ARTICLES -30.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. -11, QUALITY CONTROL -4, TECHNOLOGY TRANSFER -18.

5297

SHRI S K MITAL; (B. JUNE 10, 1944),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - ROORKEE '66; M.E. CIVIL ENGINEERING - ROORKEE '69

SPECIALIZATIONS : STRUCTURAL DESIGN.

EXPERIENCE : JUNIOR ENGINEER, B.H.E.L., HARDWAR, 1966-67; J.R.F., SCIENTIST B, AND SCIENTIST C, C.B.R.I., 1969-87; SCIENTIST EI, C.B.R.I SINCE FEBRUARY 1987.

PRESENT ACTIVITIES : R & D

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, DESIGN - 10, CONSTRUCTION - 1.

5298

MISS MANJU MITTAL; (B. AUGUST 23, 1957),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.CH.E. CHEMICAL - ROORKEE '78; M.E. CHEMICAL ENGINEERING - ROORKEE '82.

SPECIALIZATIONS : EQUIPMENT AND PLANT DESIGN; FERTILISER TECHNOLOGY; SAFETY OF INDUSTRIAL BUILDINGS AND PLANTS AGAINST FIRE AND EXPLOSION HAZARDS.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, C.B.R.I., 1980-88; SCIENTIST EI, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORT - 1, RES. PAPER - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 7, DESIGN - 9, COMPUTER PROCESSING - 3.

5299

SHRI K C NAITHANI; (B. JUNE 3, 1938),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '58; A.M.I.E. - INSTITUTION OF ENGINEERS (INDIA) '69; M.E. STRUCTURAL ENGINEERING - ROORKEE '88.

SPECIALIZATIONS : STEEL STRUCTURES; COMPOSITE STRUCTURES; CONCRETE STRUCTURES; CONSTRUCTION TECHNOLOGY.

EXPERIENCE : J.S.A. AND S.S.A., C.B.R.I., ROORKEE '1960-65; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, S.E.R.C., ROORKEE, 1965-86; (ALSO STUDIED THE LATEST TRENDS IN THE FIELD OF STEEL STRUCTURES AT THE INSTITUTE FOR THEORETICAL AND APPLIED MECHANICS, PRAGUE, CZECHOSLOVAKIA, 1975); SCIENTIST EI, S.E.R.C./C.B.R.I., ROORKEE SINCE JANUARY, 1987.

PRESENT ACTIVITIES : R & D IN STRUCTURAL ENGINEERING AND CONSULTANCY IN REHABILITATION OF STRUCTURES.

LANGUAGES : HINDI, ENGLISH.

VISITED : CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D - 29, CONSTRUCTION - 2.

5300

SHRI V J NENE; (B. JANUARY 10, 1947),

SCIENTIST EI, C.B.R.I. EXTENSION CENTRE, NEW DELHI (C.B.R.I., ROORKEE).

QUALIFICATIONS : B.ARCH. - BOMBAY '68; POST GRADUATE DIPLOMA IN BUILDING SCIENCE & TECHNOLOGY - ROORKEE '76; M.ARCH. - ROORKEE '77.

SPECIALIZATIONS : BUILDING SCIENCE & TECHNOLOGY; BUILDING COST OPTIMISATION; DESIGN AND DEVELOPMENT OF HEALTH CARE BUILDING; LOW COST HOUSING.

EXPERIENCE : ARCHITECT, M/S PREM NATH ASSOCIATES & ARCHITECTS, BOMBAY, 1968-73; SCIENTIST B AND SCIENTIST C, C.B.R.I., 1973-86; SCIENTIST EI, C.B.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : EXTENSION OF BUILDING RESEARCH. COLLABORATION.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP.RES. - 7, DESIGN - 12, ADMN. - 3, EXTENSION - 10.

5303

SHRI CHANDRA PRAKASH; (B. JULY 10, 1944),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '64; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '72; M.E. CIVIL (GEOTECHNICAL ENGINEERING) - ROORKEE '80.

SPECIALIZATIONS : GEOTECHNICAL ENGINEERING; PILE FOUNDATIONS; FIELD INVESTIGATION; REMEDIAL UNDERPINNING; INSTRUMENTATION.

EXPERIENCE : JR. ENGINEER, IRRIGATION DEPARTMENT, U.P., 1964-66; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B AND SCIENTIST C, C.B.R.I., 1966-88; (ALSO CONSULTANT ON DEPUTATION WITH AN INDIAN FIRM FOR DESIGN AND EXECUTION OF FOUNDATIONS FOR TRANSMISSION TOWERS, DUBAI, U.A.E., 1977); SCIENTIST EI, C.B.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : R & D; CONSULTANCY IN GEOTECHNICAL ENGINEERING; DESIGN OF FOUNDATIONS; NON-DESTRUCTIVE TESTING OF PILES.

LANGUAGES : HINDI, ENGLISH.

VISITED : U.A.E, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 31, TECH. REPORTS - 49, SCIENTIFIC BOOKS - 1, ARTICLES - 3, POPULAR SCIENCE BOOKS - 1, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 3, CBRI BUILD DIGESTS/TECH. NOTES - 4, FIRST DRAFT FOR INDIAN STANDARDS - 8.

AWARDS & DISTINCTIONS : BEST PAPER AWARD IN GEOTECHNICAL ENGINEERING, IGJ, 1978; BEST PAPER AWARD IN THE FIELD OF PILING, IGJ, 1987, 1988; MERIT CERTIFICATE FOR PAPER, JIE(I), 1978; SECRETARY, IGS ROORKEE CHAPTER FOR 1985-86.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 24, DESIGN - 18, TECH. DEV. - 18, CONSULTANCY - 20, CONSTRUCTION - 6, TESTING - 20.

5304

SHRI SHAILENDRA SHARMA; (B. JANUARY 7, 1936),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '57; B.SC. CHEMICAL ENGINEERING - AGRA '64.

SPECIALIZATIONS : DESIGN AND COST ESTIMATION OF BUILDING MATERIAL PLANTS.

EXPERIENCE : J.R.F., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1965-88; SCIENTIST EI, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : DESIGN AND COST ESTIMATION OF BUILDING MATERIAL PLANTS.

LANGUAGES : HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, DESIGN - 16, TECHNICAL DEVELOPMENT - 16, PILOT PLANT - 16, R & D MGMT. - 16, TECHNO-ECONOMIC SURVEYS - 16.

5305

SHRI GURDEEP SINGH; (B. FEBRUARY 15, 1938),

SCIENTIST EI, C.B.R.I. EXTENSION CENTRE, AHMEDABAD (CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE).

QUALIFICATIONS : DIPLOMA CIVIL ENGINEERING - PANJAB '61; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '75.

SPECIALIZATIONS : R.C.C. WORKS - BRIDGES AND INDUSTRIAL STRUCTURES; PRECAST HOUSING.

EXPERIENCE : APPRENTICE ENGINEER, JUNIOR ENGINEER AND ASSISTANT ENGINEER, GAMMON INDIA LTD., BOMBAY, 1961-67; S.S.A., J.S.O. SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1967-88; (ALSO ON DEPUTATION TO MINISTRY OF WORKS, NIGERIA TO SUPERVISE CONSTRUCTION PROJECTS, 1979-84); SCIENTIST EI, C.B.R.I. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : LIAISON AND EXTENSION.

LANGUAGES : PUNJABI, HINDI, ENGLISH, URDU.

VISITED : NIGERIA.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1, ARTICLES - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 10, EXTENSION - 19.

5306

SHRI MAHI PAL SINGH; (B. JULY 20, 1952),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '71; M.SC. PHYSICS - ROORKEE '74.

SPECIALIZATIONS : SOLID STATE PHYSICS; ANALYTICAL TECHNIQUES; AUTOMATIC FIRE DETECTION AND ALARM SYSTEMS.

EXPERIENCE : J.R.F., N.P.L., NEW DELHI, 1974 - 76; TECHNICAL ASSISTANT, D.S.T., NEW DELHI, 1976-77; SCIENTIST B AND SCIENTIST C, C.B.R.I., 1977-88; SCIENTIST EI, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN AUTOMATIC FIRE DETECTION AND ALARM SYSTEMS; SMOKE PROPERTIES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 12, TESTING EVALUATION - 12.

5307

DR MANJIT SINGH; (B. OCTOBER 12, 1948),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '69; M.SC. CHEMISTRY - ROORKEE '71; PH.D. CHEMISTRY - ROORKEE '80.

SPECIALIZATIONS : CEMENT AND CONCRETE TECHNOLOGY.

EXPERIENCE : J.R.F., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, C.B.R.I., 1971-89; SCIENTIST EI, C.B.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : PUNJABI, HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 37, TECH. REPORTS - 11, PROCESSES DEVELOPED - 7, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 19, APP. RES. - 19, PILOT PLANT - 8, CONSULTANCY - 12, OPERAION - 7, TESTING - 19, QUALITY CONTROL - 19.

5308

SHRI S P SINGH; (B. JULY 15, 1940),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '59; GRADUATE MEMBER, INSTITUTE OF INDUSTRIAL ENGINEERING, BOMBAY '70.

SPECIALIZATIONS : INDUSTRIAL ENGINEERING; CONSTRUCTION MANAGEMENT.

EXPERIENCE : APPRENTICE, S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1961-88; SCIENTIST EI, C.B.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES :

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, HAND BOOK - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27, CONSTRUCTION - 2.

5309

SHRI G C SOFAT; (B. DECEMBER 12, 1942),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - PANJAB '63; FINAL EXAMINATION, BUILDING & QUANTITY SURVEYING - INSTITUTION OF SURVEYORS, INDIA '76.

SPECIALIZATIONS : BUILDING & QUANTITY SURVEYING; COST MANAGEMENT.

EXPERIENCE : SUPERVISOR, SHALIMAR TAR PRODUCTS, NEW DELHI, 1963-66; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.B.R.I., 1966-89; SCIENTIST EI, C.B.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D IN BUILDING ECONOMICS AND COST MANAGEMENT.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 34, TECH. REPORTS - 9, HAND BOOK - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, CONSTRUCTION - 3.

5310

SHRI J N VAISH; (B. DECEMBER 30, 1947),

SCIENTIST EI, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '66; M.SC. PHYSICS - ROORKEE '68; M.TECH. APPLIED OPTICS - I.I.T., DELHI '71; CERT. IN GERMAN LANGUAGE - PANJAB '76.

SPECIALIZATIONS : LASER APPLICATIONS FOR NON-DESTRUCTIVE TESTING; OPTICAL INSTRUMENTATION; HOLOGRAPHIC TECHNIQUES; GEOTECHNICAL INSTRUMENTATION.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, C.S.I.O., CHANDIGARH, 1976-87; (ALSO VISITED WEST GERMANY FOR ADVANCED TRAINING IN HOLOGRAPHY & ITS APPLICATIONS, INST. OF TECH. OPTICS, UNIV. OF STUTTGART, 1980-81); SCIENTIST C, C.B.R.I., 1987-88; SCIENTIST EI, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R&D IN INSTRUMENTAITON; GROUND SUB-SURFACE INVESTIGATIONS.

LANGUAGES : HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, DESIGN - 5, TECHNICAL DEV. - 3, R & D MGMT. - 2.

5311

SHRI S P AGARWAL; (B. NOVEMBER 28, 1953),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '71; B.E. CHEMICAL ENGINEERING - ROORKEE '75.

SPECIALIZATIONS : INDUSTRIAL LIAISON; SOFTWARE DEVELOPMENT; INSTRUMENTATION AND PLANT DESIGN.

EXPERIENCE : CHEM. ENGG., AGARWAL TECH. CONSULTANCY BUREAU, DELHI, 1976-77; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, I.I.P., 1977-90; SCIENTIST C, C.B.R.I. SINCE OCTOBER, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH, BUILDING MATERIALS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 4, ARTICLES - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : EDITING - 7, APPLIED RESEARCH - 4, TESTING - 4, DOCUMENTATION - 7, REPROGRAPHY - 7, COMPUTER PROCESSING - 3, MAINTENANCE - 4, TECHNOLOGY TRANSFER - 7, ADMINISTRATION - 5.

5312

SHRI JAMSHED AHMAD; (B. JULY 20, 1944),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; M.SC. APPLIED MATHEMATICS - ROORKEE '69; LL.B. - MEERUT '73.

SPECIALIZATIONS : MATHEMATICS; FERROCEMENT TECHNOLOGY; COMPUTER PROCESSING.

EXPERIENCE : S.I.A., J.S.A., S.S.A. AND SCIENTIST B, C.B.R.I./S.E.R.C., ROORKEE, 1964-86; SCIENTIST C, S.E.R.C./C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D ON FERROCEMENT.

LANGUAGES : URDU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSULTANCY, TESTING MAINTENANCE AND COMPUTER PROCESSING - (TOTAL : 27 YEARS).

5313

SHRI N D ARYA; (B. OCTOBER 26, 1948),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - ROORKEE '73; M.ARCH. - ROORKEE '82.

SPECIALIZATIONS : BUILDING DESIGN AND DETAILING; LANDSCAPE DESIGN; BUILDING MODELS AND PERSPECTIVES.

EXPERIENCE : S.S.A., C.B.R.I., 1973-74; ASSISTANT ARCHITECT, M/S LALL, SRIVASTAVA & JAISWALL, DELHI, 1974-75; ARCHITECT, SURESH GOYAL & ASSOCIATES, DELHI, 1977; S.S.A. AND SCIENTIST B, C.B.R.I., 1978-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D OF EDUCATIONAL BUILDINGS AND DESIGN.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 2, SPECIAL PUBLICATION - 2, NV COMPLEXES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 3, DESIGN - 5, CONSULTANCY - 2, CONSTRUCTION - 2, PLANNING - 4.

5314

SHRI K K ASTHANA; (B. FEBRUARY 15, 1945),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '67; M.SC. ORGANIC CHEMISTRY - KANPUR '78; PH.D. CHEMISTRY - KANPUR 1987.

SPECIALIZATIONS : HIGH POLYMER BUILDING MATERIALS; COMPOSITE MATERIALS; POLYMER CONCRETE; ADHESIVE, SEALANTS & PROTECTIVE TREATMENTS FOR HIGHLY AGGRESSIVE CONDITIONS.

EXPERIENCE : GRADUATE TRAINEE, C.B.R.I., 1968-70; J.L.A., S.L.A., J.S.A., S.S.A. AND J.S.O. AND SCIENTIST B, C.B.R.I., 1970-90; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1985.

PRESENT ACTIVITIES : R&D ON COMPOSITES; SEALANTS AND ANTICORROSION TREATMENTS FOR STEEL REINFORCEMENT IN CONCRETE.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 27, PROCESSES DEVELOPED - 4, REVIEW PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 15, CONSULTANCY - 27, TESTING - 1.

5315

SHRI D V BANSAL; (B. JULY 1, 1942),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '63; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '76.

SPECIALIZATIONS : CONSTRUCTION; COST ESTIMATES; TECHNOLOGY TRANSFER; R & D MANAGEMENT.

EXPERIENCE : SUPERINTENDENT B/R, M.E.S., 1963-64; OVERSEER, U.P., P.W.D. 1964-66; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1966-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : MONITORING AND COSTING OF PROJECTS, PLANNING, EVALUATION OF R&D PROGRAMMES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2, ARTICLES - 2, PROJECT PROPOSALS - 2, DIRECTORY OF CBRI LICENSEES, R&D ANNUAL PROG., 5 YEAR PLAN OF THE INST.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, QUALITY CONTROL - 1, TECHNOLOGY TRANSFER - 14, R&D MANAGEMENT - 5, TECH. DEV. - 1, CONSTRUCTION OF BUILDINGS - 5.

5316

SHRI G D BANSAL; (B. SEPTEMBER 4, 1941),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : M.SC. APPLIED MATHEMATICS - ROORKEE '70; POST GRADUATE DIPLOMA IN AUTOMATIC COMPUTATION - ROORKEE '79.

SPECIALIZATIONS : BUILDING ILLUMINATION.

EXPERIENCE : TEACHER, HINDU A.S. HIGH SCHOOL, SADHAURA, 1961-62; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1964-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 32.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, TEACHING - 1.

5317

SHRI P K BHARGAVA; (B. MAY 30, 1953),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '71; M.SC. PHYSICS - MEERUT '73.

SPECIALIZATIONS : BUILDING PHYSICS; WIND ENERGY.

EXPERIENCE : J.R.F. C.B.R.I., 1973-76; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1983-88; SCIENTIST C, C.B.R.I. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.-16, APP. RES.-16.

5318

DR J M BHATNAGAR; (B. JULY 7, 1947),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '64; M.SC. CHEMISTRY - ROORKEE '66; PH.D. CHEMISTRY - ROORKEE '78.

SPECIALIZATIONS : PHYSICAL CHEMISTRY; CLAY COLLOID CHEMISTRY; HEAVY CLAY TECHNOLOGY.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1967-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN BUILDING MATERIALS.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 35, TECH. REPORTS - 26, ARTICLES - 9, PROCESSES DEVELOPED - 7, PROCESSES UNDER UTILISATION - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APP. RES. - 16, TECHNICAL DEVELOPMENT - 15, PILOT PLANT - 8, CONSULTANCY - 10, TESTING - 14, QUALITY CONTROL - 12, PRODUCTION - 12.

5319

SHRI N K BHATNAGAR; (B. MARCH 20, 1948),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - ROORKEE '73; POST GRADUATE DIPLOMA IN BUILDING SCIENCE & TECHNOLOGY - ROORKEE '76; M.ARCH. - ROORKEE '77.

SPECIALIZATIONS : BUILDING SCIENCE & TECHNOLOGY; RURAL HOUSING AND SANITATION; FARM BUILDING; HOSPITAL PLANNING AND CONSTRUCTION; ARCHITECTURE.

EXPERIENCE : RESEARCH TRAINEE, C.B.R.I., 1973-74; ASSISTANT ARCHITECT, MEDICAL AND HEALTH SERVICES, U.P., 1974; LECTURER, GOVERNMENT SCHOOL OF ARCHITECTURE, LUCKNOW, 1975-76; S.R.F., C.B.R.I., 1976-78; SCIENTIST B, C.B.R.I., 1978-84; SCIENTIST C, C.B.R.I. SINCE MARCH, 1984.

PRESENT ACTIVITIES : DEVELOPMENT, CONSTRUCTION AND EXTENSION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 3, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, DESIGN - 2, TECH. DEV. - 2, R & D MGMT. - 1, TESTING - 1, TEACHING - 1, CONSULTANCY - 1, PLANNING - 2, TECHNO-ECONOMIC SURVEYS - 1, TECHNOLOGY TRANSFER - 3.

5320

SHRI DHANESH CHANDER; (B. JANUARY 1, 1940),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '59.

SPECIALIZATIONS : BUILDING CONSTRUCTION; MASONRY STRUCTURES.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1964-87; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH IN MASONRY STRUCTURES WITH CONCRETE BLOCKS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, CONSTRUCTION (TOTAL 23 YEARS).

5321

DR DINESH CHANDRA; (B. JULY 1, 1940),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; M.SC. PHYSICAL CHEMISTRY - LUCKNOW '66; PH.D. CHEMISTRY - LUCKNOW '75.

SPECIALIZATIONS : BUILDING MATERIALS; INSTRUMENTAL CHEMICAL ANALYSIS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1970-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN BUILDING MATERIALS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 25, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 20.

5322

SHRI J N CHHAUDA; (B. APRIL 3, 1936),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - U.P. '58.

SPECIALIZATIONS : CONCRETE TECHNOLOGY; NON-DESTRUCTIVE TESTING OF CONCRETE STRUCTURES.

EXPERIENCE : S.L.A., J.S.A. AND S.S.A., C.B.R.I., 1959-68; SCIENTIST A AND SCIENTIST B, S.E.R.C., 1968-79; (ALSO TRAINING IN INSTRUMENTATION AND TESTING OF R.C.C. AND PRESTRESSED STRUCTURES, U S A, 1976); SCIENTIST C, S.E.R.C./C.B.R.I. SINCE JANUARY, 1979.

PRESENT ACTIVITIES : R & D IN CONCRETE STRUCTURES.

LANGUAGES : HINDI, URDU, ENGLISH.

VISITED : U S A, U.K., CANADA.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 12, SCIENTIFIC BOOKS - 2, TECHNICAL DISCUSSIONS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 31, DESIGN - 2, CONSULTANCY - 2, CONSTRUCTION - 2, OPERATION - 10, TESTING - 25, QUALITY CONTROL - 5, MAINTENANCE - 10.

5323

SHRI S DASGUPTA; (B. MAY 15, 1945),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - W.BENGAL '65.

SPECIALIZATIONS : LOW COST HOUSING (URBAN & RURAL); BUILDING MATERIALS; GEOTECHNICAL ENGINEERING.

EXPERIENCE : GRADUATE APPRENTICE AND CIVIL OVERSEER, R.R.L., HYDERABAD, 1965-66; CIVIL OVERSEER, J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B C.B.R.I., 1966-90; (ALSO VISITED BHUTAN FOR APPLICATION OF R & D IN LOW COST TECHNOLOGY IN MASS HOUSING PROJECT IN BHUTAN, 1986-87); SCIENTIST C, C.B.R.I., FEBRUARY, 1990.

PRESENT ACTIVITIES : TECHNOLOGY TRANSFER, EXTENSION AND RESEARCH.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : BHUTAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 4, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.-2, APP. RES. - 2, DESIGN - 5, CONSULTANCY - 5, R & D MGMT. - 2 CONSTRUCTION - 8, MAINTENANCE - 1, EXTENSION - 9.

5324

SHRI BHAGWAN DASS; (B. JANUARY 2, 1944),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - ROORKEE '65; GRADUATE OF - INSTITUTION OF ENGINEERS (INDIA) '75; M.E. MECHANICAL ENGINEERING - ROORKEE '81.

SPECIALIZATIONS : DESIGN AND DEVELOPMENT OF EQUIPMENT FOR BUILDING MATERIALS AND CONSTRUCTION INDUSTRY.

EXPERIENCE : ASSISTANT FOREMAN, U.P. GOVERNMENT WORKSHOP, ROORKEE, 1965-66; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1966-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF EQUIPMENT FOR BUILDING MATERIALS AND CONSTRUCTION INDUSTRY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 7, PATENTS TAKEN - 5, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 4.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : RESEARCH, DESIGN AND DEVELOPMENT - 25.

5325

SHRI S G DAVE; (B. SEPTEMBER 28, 1952),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - BOMBAY '72; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '78; P.G.DIPLOMA IN MANAGEMENT - ALL INDIA MANAGEMENT ASSOCIATION, N.DELHI '82.

SPECIALIZATIONS : CONSTRUCTION; CONSTRUCTION MANAGEMENT; LOW COST HOUSING MANAGEMENT; EXTENSION; TECHNOLOGY TRANSFER IN HOUSING & ENVIRONMENTAL ENGINEERING.

EXPERIENCE : ENGINEER, ATTAR SINGH SATHE & SONS, AKOLA, 1972; JR. ENGINEER, P.W.D., MAHARASTRA, 1972-73; JR. ENGINEER, IRRIGATION, GONDA, 1974; JR. ENGINEER, N.E.E.R.I., NAGPUR, 1974-79; SCIENTIST B, C.B.R.I., 1979-84; SCIENTIST C, C.B.R.I. SINCE JULY, 1984; (ALSO TRAINING COORDINATOR, HUDCO., 1987-89); SCIENTIST-IN-CHARGE, C.B.R.I. EXTENSION CENTRE, BHOPAL SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : CONSTRUCTION AND EXTENSION OF TECHNOLOGY ON LOW COST HOUSING; TECHNOLOGY TRANSFER; ENTREPRENEURSHIP DEVELOPMENT PROGRAMMES; LIAISON COORDINATION AND R&D PROJECT IDENTIFICATION AND FORMULATION.

LANGUAGES : HINDI, ENGLISH, MARATHI.

PUBLICATIONS & PATENTS : TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 5, CONSULTANCY - 1, CONSTRUCTION - 3, TECHNOLOGY TRANSFER - 3, EXTENSION - 1, TRAINING SPECIALIST - 3, LIAISON & COORDINATION - 2, R&D PROJECT IDENTIFICATION AND FORMULATION - 1.

5326

DR(MISS) KUSUM DEEP; (B. AUGUST 15, 1958),
SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - PANJAB
'79; M.SC. MATHEMATICS - PANJAB '83; M.PHIL. MATHE-
MATICS - ROORKEE '84; PH.D. MATHEMATICS -
ROORKEE '88.

SPECIALIZATIONS : OPERATION RESEARCH; MATHE-
MATICAL MODELLING; COMPUTER PROGRAMMING; NU-
MERICAL METHODS.

EXPERIENCE : FELLOW, C.B.R.I., 1988-89; SCIENTIST C,
C.B.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : RESEARCH IN COMPUTER PROC-
ESSING AND MATHEMATICS.

LANGUAGES : PUNJABI, ENGLISH, HINDI.

VISITED : SINGAPORE.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, ARTI-
CLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 6, TEACHING - 4, APP. RES. - 6, COMPUTER PROCESSING - 6,
R & D MANAGEMENT - 6.

5327

SHRI BISWANATH DEY; (B. APRIL 11, 1945),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - CALCUTTA
'70; M.C.E. CIVIL ENGINEERING - JADAVPUR '85.

SPECIALIZATIONS : SOIL MECHANICS AND FOUNDATION
ENGINEERING; DESIGN AND CONSTRUCTION TECHNIQUES
OF STRUCTURES; EXTENSION AND LIAISON; R & D MANAGE-
MENT.

EXPERIENCE : S.S.A., C.B.R.I., 1972-77; CIVIL ENGINEER,
COAL INDIA LTD., 1977-78; SCIENTIST A AND SCIENTIST B,
C.B.R.I., 1978-85; SCIENTIST C, C.B.R.I. SINCE OCTOBER, 1985.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : ARTICLES - 11, PAPERS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
6, CONSULTANCY - 2, R & D MANAGEMENT - 2, CONSTRUC-
TION - 4, ADMINISTRATION - 4, EXTENSION - 2.

5328

SHRI R L DHABAL; (B. AUGUST 4, 1949),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.SC. - BURDWAN '69; M.SC. PHYSICS
- MEERUT '78.

SPECIALIZATIONS : ACOUSTICAL DESIGN OF MULTIPUR-
POSE HALLS; NOISE REDUCTION IN BUILDING; TESTING AND
DEVELOPMENT OF ACOUSTICAL MATERIALS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCI-
ENTIST B, C.B.R.I., 1972-89; SCIENTIST C, C.B.R.I. SINCE FEB-
RUARY, 1989.

PRESENT ACTIVITIES : R & D IN BUILDING ACOUSTICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH.
REPORTS - 3, BUILDING DIGEST - 2, TECH. NOTE - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
15, CONSULTANCY - 10, TESTING - 40.

5329

SHRI P K GANGOPADHYAY; (B. APRIL 13, 1949),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.SC. - CALCUTTA '69; M.SC. PHYSICS
- MEERUT '81.

SPECIALIZATIONS : ELECTRONICS; HEAT TRANSFER;
COMPUTER SOFTWARE.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCI-
ENTIST B, C.B.R.I., 1973-89; SCIENTIST C, C.B.R.I. SINCE FEB-
RUARY, 1989.

PRESENT ACTIVITIES : SOFTWARE DEVELOPMENT.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
11, COMPUTER PROCESSING - 3.

5330

SHRI RANJIT GANGULY; (B. JANUARY 1, 1942),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; M.SC. APPLIED
MATHEMATICS - ROORKEE '69.

SPECIALIZATIONS : SOLAR ENERGY; PLANNING,
EVALUATION AND MONITORING.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCI-
ENTIST B, C.B.R.I., 1964-86; SCIENTIST C, C.B.R.I. SINCE FEB-
RUARY, 1986.

PRESENT ACTIVITIES : RESEARCH ON SOLAR ENERGY;
INTERNATIONAL SCIENTIFIC

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 33, TECH.
REPORTS - 1, PROCESSES DEVELOPED - 3, PROCESSES UNDER
UTILISATION - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
26.

5331

DR K G GARG; (B. JULY 12, 1942),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING -
ROORKEE '62; GRADUATE CIVIL ENGINEERING - INSTI-
TUTION OF ENGINEERS (INDIA) '74; M.E. CIVIL ENGG. -
ROORKEE '78; PH.D. GEOTECHNICAL ENGG. ROORKEE
'88.

SPECIALIZATIONS : SOIL MECHANICS AND FOUNDATION
ENGINEERING.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST
B, C.B.R.I. 1963-85; (ALSO TRAINING IN COMPUTER APPLICA-

TIONS TO CIVIL ENGG. PROBLEMS, UNIV. OF ROORKEE, 1976 AND IN GEOSYNTHETICS IN CIVIL ENGG. I.I.T., DELHI, 1977; CONSULTING AND DESIGN ENGINEER, GOVERNMENT OF IRAQ, 1979-82); SCIENTIST C, C.B.R.I. SINCE JUNE, 1985; (ALSO VISITED W. GERMANY UNDER CSIR - DAAD EXCHANGE PROGRAMME, 1990).

PRESENT ACTIVITIES : RESEARCH IN GEOTECHNICAL ENGINEERING PERTAINING TO REINFORCED EARTH AND PILE FOUNDATIONS.

LANGUAGES : HINDI, ENGLISH.

VISITED : IRAQ, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, APP. RES. - 16, TECH. REPORTS - 10.

AWARDS & DISTINCTIONS : LIFE FELLOW, INDIAN GEOTECHNICAL SOCIETY; FELLOW, INSTITUTION OF ENGINEERS (INDIA).

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, DESIGN - 8, CONSULTANCY - 8, APP. RES. - 8.

5332

SHRI R K GARG; (B. DECEMBER 3, 1954),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - ROORKEE '78; P.G. DIPLOMA IN ARCHITECTURE (URBAN DESIGN) - SCHOOL OF PLANNING AND ARCHITECTURE, DELHI '80.

SPECIALIZATIONS : URBAN DEVELOPMENT AND HOUSING; ARCHITECTURAL DESIGN; ENVIRONMENTAL DESIGN.

EXPERIENCE : JUNIOR ARCHITECT SURESH GOEL & ASSOC., NEW DELHI, 1978; ARCH. ASST. SEN GUPTA & SEN GUPTA, NEW DELHI, 1978; ASSISTANT TOWN PLANNER, TOWN PLANNING OFFICE, JAIPUR, 1980-81; SCIENTIST B, C.B.R.I., 1981-86; SCIENTIST C, C.B.R.I. SINCE NOVEMBER, 1986; (ALSO RESEARCH & TRAINING IN HOUSING & ENVIRONMENTAL PLANNING, UNDER DAAD FELLOWSHIP, TECHNICAL UNIVERSITY, AACHEN, GERMANY FROM JUNE, 1986-88).

PRESENT ACTIVITIES : RESEARCH IN RURAL HOUSING & ENVIRONMENTAL PLANNING.

LANGUAGES : HINDI, ENGLISH, GERMAN.

VISITED : GERMANY.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2, SCIENTIFIC BOOKS - 1, ARTICLES - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, DESIGN - 4, CONSTRUCTION - 1, PLANNING - 2, EXTENSION - 1.

5333

SHRI S K GARG; (B. JUNE 14, 1935),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - LUCKNOW '56; M.A. SOCIOLOGY - AGRA '62.

SPECIALIZATIONS : PRODUCTION OF CEMENTITIOUS BINDER; STEEL FIBRE REINFORCED CEMENT FLAT SHEETS; PRODUCTION OF CEMENT CLINKER FROM FLY ASH; EVALUATION AND CHARACTERIZATION OF INDIAN FLY ASH.

EXPERIENCE : DEMONSTRATOR, K.L.D.A.V. INTER COLLEGE, ROORKEE, 1956-59; S.L.A., J.S.A., S.S.A., SCIENTIST A

AND SCIENTIST B, C.B.R.I., 1959-84; SCIENTIST C, C.B.R.I. SINCE APRIL, 1984.

PRESENT ACTIVITIES : RESEARCH IN PERFORMANCE OF CEMENT, CEMENTITIOUS MATERIALS, CONCRETE AND AGGREGATES; TESTING OF POZZALANA, POZZALANA CEMENT AND ORDINARY PORTLAND CEMENT.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 32, TECH. REPORTS - 7, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP.RES., TECH.DEV., CONSULTANCY AND TEACHING (TOTAL:28 YEARS).

5334

SHRI D K GAUTAM; (B. APRIL 1, 1950),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BOARD OF TECHNICAL EDUCATION - U.P., 1970; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '84; M.E. MECHANICAL ENGINEERING - ROORKEE '87.

SPECIALIZATIONS : DESIGN AND DEVELOPMENT OF EQUIPMENT AND PROCESSES FOR BUILDING CONSTRUCTION.

EXPERIENCE : APPRENTICE OVERSEER, S.L.A., J.S.A., S.S.A., SCIENTIST AND TECH. OFFICER (B), C.B.R.I., 1971-90; SCIENTIST C, C.B.R.I. SINCE JULY, 1990.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT OF EQUIPMENT & PLANTS FOR BUILDING MATERIALS & PROCESSES FOR BUILDING CONSTRUCTION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 5, ARTICLES - 2, PATENTS TAKEN - 5, PROCESSES DEVELOPED - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECH. DEV., TESTING AND EXTENSION (TOTAL 19 YEARS).

5335

SHRI AMITAVA GHOSH; (B. DECEMBER 14, 1954),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - DIBRUGARH '75; M.TECH. SOIL MECHANICS & FOUNDATION ENGINEERING - I.I.T., KANPUR '80.

SPECIALIZATIONS : ROCK SLOPE ENGINEERING; NUMERICAL ANALYSIS; COMPUTER PROGRAMMING; OPTIMISATION TECHNIQUES; GEOTECHNICAL INSTRUMENTATION.

EXPERIENCE : LECTURER, ASSAM ENGG. COLLEGE, GUWAHATI, ASSAM, 1975-77; LECTURER, B.I.T.S., PILANI, 1980-81; SCIENTIST B, C.B.R.I., 1981-86; (ALSO RESEARCH AND TRAINING IN GEOTECHNICAL ENGINEERING UNDER DAAD FELLOWSHIP, W. GERMANY, 1986-88); SCIENTIST C, C.B.R.I. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : R & D IN ROCK MECHANICS, GEOTECHNICAL ENGINEERING AND INSTRUMENTATION.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 11, APP. RES. - 7, DESIGN - 7, TECHNICAL DEV. - 7, CONSULTANCY - 7, TEACHING - 4.

5336

SHRI N K GOEL; (B. MARCH 9, 1940),

TECHNICAL OFFICER (C), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '63.

SPECIALIZATIONS : CONSTRUCTION; PREFABRICATION/PRECASTING; COST ANALYSIS.

EXPERIENCE : OVERSEER, UNIVERSITY OF ROORKEE, ROORKEE, 1963-64; OVERSEER, IRRIGATION DEPARTMENT, U.P., 1964; JUNIOR INSTRUCTOR, UNIVERSITY OF ROORKEE, 1964-65; OVERSEER, B.H.E.L., HARDWAR, 1965-68; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1968-89; TECHNICAL OFFICER (C), C.B.R.I. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : R & D IN EDUCATIONAL BUILDINGS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 19, DESIGN - 2, TECHNICAL DEV. - 2, CONSULTANCY - 6, CONSTRUCTION - 6, QUALITY CONTROL - 1, MAINTAINENCE - 2, TEACHING - 1, TECHNOLOGY TRANSFER - 6, ADMINISTRATION - 2.

5337

SHRI AJAY KUMAR GUPTA; (B. DECEMBER 2, 1946),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '67; M.SC. MATHEMATICS - AGRA '69; DIPLOMA IN FORTRAN IV - DATAMATICS CORPORATION '70; CERTIFICATE IN COBOL - DELHI '77.

SPECIALIZATIONS : SYSTEM SOFTWARE DEVELOPMENT; COMPUTER AIDED DESIGN.

EXPERIENCE : LECTURER, GGIC, BAREILLY, 1969-70; J.S.A. AND S.S.A., S.E.R.C., ROORKEE, 1970-78; JUNIOR EXECUTIVE, BHEL, HARDWAR, 1978-80; SCIENTIST A AND SCIENTIST B, S.E.R.C., ROORKEE, 1978-87; SCIENTIST C, S.E.R.C./C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : SOFTWARE DEVELOPMENT(CAD).

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APP. RES. - 2, COMPUTER OPERATION - 5, TEACHING - 1.

5338

SHRI D P GUPTA; (B. SEPTEMBER 12, 1939),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - MEHR CHAND TECH. INST. '57; CERT. IN CIVIL ENGINEERING - MADRAS COLLEGE OF ENGINEERING '59.

SPECIALIZATIONS : R & D MANAGEMENT; CONSTRUCTION TECHNOLOGY.

EXPERIENCE : SENIOR STRUCTURAL DRAFTSMAN, SCIENTIST A AND SCIENTIST B, S.E.R.C./C.B.R.I., ROORKEE, 1967-87; SCIENTIST C, C.B.R.I. SINCE JUNE, 1987.

PRESENT ACTIVITIES : PLANNING, MONITORING & EVALUATION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 35.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MGMT. - 15, CONSTRUCTION - 6, PLANNING - 15, DOCUMENTATION - 10, REPROGRAPHY - 10.

5339

SHRI P C GUPTA; (B. FEBRUARY 21, 1936),

TECHNICAL OFFICER (C), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '61.

SPECIALIZATIONS : BUILDING MATERIALS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., 1964-83; TECHNICAL OFFICER (C), C.B.R.I. SINCE AUGUST, 1983.

PRESENT ACTIVITIES : R & D IN BUILDING MATERIALS.

LANGUAGES : HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 26, TEACHING - 2.

5340

SHRI R G GUPTA; (B. DECEMBER 13, 1942),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '61; A.M.I.E. CHEMICAL - INSTITUTION OF ENGINEERS (INDIA) '79.

SPECIALIZATIONS : HEAVY CLAY PRODUCTS; HEAT TRANSFER IN KILNS; PHYSICOCHEMICAL AND MINERALOGICAL SOIL ANALYSIS; DESIGN AND DEVELOPMENT OF BRICK KILNS.

EXPERIENCE : TEACHER, H.M.J. INTER COLLEGE, TIKRI, 1961-64; S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1964-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN BRICKS AND TILES

LANGUAGES : HINDI, ENGLISH.

VISITED : SRI LANKA.

PUBLICATIONS & PATENTS : RES. PAPERS - 40, TECH. REPORTS - 30, PROCESSES DEVELOPED - 7, PROCESS UNDER UTILISATION - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, PILOT PLANT - 18, CONSULTANCY - 15, TESTING - 26, TEACHING - 3, SURVEY OF NATURAL RESOURCES - 20.

5341

SHRI RAMESH CHANDRA GUPTA; (B. DECEMBER 10, 1940),

LIBRARY OFFICER (C), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.A. - AGRA '66; B.LIB.SC. - VIKRAM '69; M.A. ECONOMICS - ROHELKHAND '76; ASSOCIATESHIP IN DOCUMENTATION - D.R.T.C., I.S.I. '76.

SPECIALIZATIONS : LIBRARY SCIENCE; DOCUMENTATION; INFORMATION SCIENCE; ECONOMICS.

EXPERIENCE : LIBRARIAN, C.D. INTER COLLEGE, HALDAUR, SAHU JAIN COLLEGE, NAJIBABAD AND GANDHI VIDYA MANDIR, DADRI, 1960-69; PROG. LIBRARIAN, SR. LIBRARIAN, SCIENTIST A, AND SCIENTIST B, S.E.R.C., ROORKEE, 1969-86; LIBRARY OFFICER (C), S.E.R.C./C.B.R.I. SINCE FEBRUARY, 1986

PRESENT ACTIVITIES : MANAGEMENT OF LIBRARY SERVICES; COMPUTERISATION OF LIBRARY AND INFORMATION ACTIVITIES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 50, TECH. REPORTS - 4, PUB. INDEX - 2, BIBHOGRAPHIES - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : LIBRARIANSHIP - 31.

5342

SHRI VIJAY KUMAR GUPTA; (B. DECEMBER 11, 1944),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '64; A.M.I.E. - INSTITUTION OF ENGINEERS (INDIA) '77.

SPECIALIZATIONS : REINFORCED CONCRETE STRUCTURES; CONCRETE TECHNOLOGY; REINFORCING STEELS; COMPUTER SOFTWARE; STEEL-CONCRETE COMPOSITE STRUCTURES.

EXPERIENCE : J.S.A., C.B.R.I., ROORKEE, 1964-71; S.S.A., SCIENTIST A AND SCIENTIST B, S.E.R.C., ROORKEE, 1971-86; SCIENTIST C, S.E.R.C./C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN STRUCTURAL ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 23, DESIGN - 10, CONSULTANCY - 1, CONSTRUCTION - 5, TESTING - 11, QUALITY CONTROL - 4, MAINTENANCE - 1, PLANNING - 1, ADMN. - 1, COMPUTER PROCESSING - 5.

5343

SHRI S K HANDA; (B. OCTOBER 12, 1944),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - ROORKEE '66; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '72; M.E. MECHANICAL ENGINEERING - ROORKEE '78; NATIONAL CERTIFICATE EXAMINATION IN SUPERVISION - NATIONAL PRODUCTIVITY COUNCIL, DELHI '72.

SPECIALIZATIONS : DESIGN AND DEVELOPMENT OF PLANT AND PROCESSES FOR BUILDING MATERIALS.

EXPERIENCE : APPRENTICE OVERSEER, MECHANICAL ASSISTANT, J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1966-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN CLAY PROCESS MACHINERY, BRICK AND TILE MAKING; DEVELOPMENT OF LIME AND BRICK KILNS AND THEIR POLLUTION STUDIES.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 2, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, DESIGN - 7, TECH.DEV. -13, PILOT PLANT - 15, CONSULTANCY -3, OPERATION - 13, MAINTENANCE - 4, PRODUCTION - 4, TEACHING -4, TECNO-ECONOMIC SURVEYS - 1, PLANNING - 2, COMPUTER PROCESSING - 2, FABRICATION - 4.

5344

SHRI I HAQ; (B. JULY 7, 1944),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; B.LIB. SC. - ALIGARH '70; ASSOCIATESHIP IN DOCUMENTATION AND REPROGRAPHY - INSDOC, NEW DELHI '77.

SPECIALIZATIONS : DOCUMENTATION; REPROGRAPHY; PUBLICATION, INFORMATION.

EXPERIENCE : COMPUTER, S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1965-88; (ALSO TRAINING IN INFORMATION SCIENCE, U.K., 1987); SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : INFORMATION, DOCUMENTATION, REPROGRAPHY AND PUBLICATION; TECHNOLOGY TRANSFER.

LANGUAGES : URDU, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2, ARTICLES - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : EDITING - 15, DOCUMENTATION - 21, REPROGRAPHY - 8, INFORMATION - 2.

5345

SHRI JAI PRAKASH JAIN; (B. APRIL 15, 1940),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '63.

SPECIALIZATIONS : CONCRETE STRUCTURES; COMPUTER SOFTWARE.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I./S.E.R.C., ROORKEE, 1964-86; SCIENTIST C, S.E.R.C./C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN CONCRETE STRUCTURES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 7, SCIENTIFIC BOOKS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 26, DESIGN - 14, CONSULTANCY - 1, COMPUTER PROCESSING - 21.

5346

DR SATYENDRA KUMAR JAIN; (B. MARCH 31, 1944),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '64; M.SC. ORGANIC CHEMISTRY - AGRA '69; PH.D. CHEMISTRY - MEERUT '86.

SPECIALIZATIONS : BUILDING MATERIALS; ORGANIC CHEMISTRY.

EXPERIENCE : CHEMIST, DELHI FLOUR MILLS LTD., DELHI, 1968-69; LECTURER, VARDHAMAN COLLEGE, BIJNOR, 1969; LECTURER, EDUCATION DEPARTMENT, U.P., 1969-71; SLA, JSA., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1971-88; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN BUILDING MATERIALS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 13.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 19, TESTING - 1, QUALITY CONTROL - 1, TEACHING - 2.

5347

SHRI SULTAN SINGH JAIN; (B. MARCH 2, 1937),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - K.L. POLYTECHNIC, ROORKEE '59; B.A. - MEERUT '79.

SPECIALIZATIONS : INSTRUMENTATION; FERROCEMENT TECHNOLOGY.

EXPERIENCE : OVERSEER, U.P., P.W.D., 1959-64; J.S.A., C.B.R.I., 1964-72; S.S.A., SCIENTIST A AND SCIENTIST B, S.E.R.C., ROORKEE, 1972-87; SCIENTIST C, S.E.R.C./C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : FERROCEMENT TECHNOLOGY.

LANGUAGES : HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 142, TECH. REPORTS - 1, ARTICLES - 142, PATENTS FILED - 8, PATENTS TAKEN - 50.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD AWARD FOR CONTRIBUTION IN THE FIELD OF STRUCTURAL DESIGN, 1966; INVENTIONS PROMOTION BOARD AWARD FOR DEVELOPING SAFETY BOX, 1968; NRDC AWARD FOR DEVELOPING SWEEP GOVERNING FAN, 1971.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 30, APP. RES. - 25, DESIGN - 10, TECHNICAL DEV. - 20, CONSTRUCTION - 5, TESTING - 5.

5348

MRS LATHIKA JAISINGH; (B. FEBRUARY 19, 1948),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC.(ENGG) CIVIL - KERALA '69; M.E. BUILDING SCIENCE & TECHNOLOGY - ROORKEE '82.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; LOW COST HOUSING

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1972-86; SCIENTIST C, C.B.R.I. SINCE AUGUST, 1986.

PRESENT ACTIVITIES : R & D IN BUILDING DESIGN AND CONSTRUCTION.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

VISITED : NIGERIA, FRANCE, U.K., SINGAPORE, AUSTRALIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 5, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17, DESIGN - 15, CONSULTANCY - 5, TECHNOLOGY TRANSFER - 5.

5349

SHRI M S KALRA; (B. JULY 8, 1946),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - U.P. '68; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '79; M.E. MECHANICAL ENGINEERING (MECHANICAL DESIGN) - ROORKEE '84.

SPECIALIZATIONS : DESIGN, DEVELOPMENT AND FABRICATION OF BUILDING EQUIPMENT AND PLANTS; ELECTRIC CURING OF CONCRETE; FRACTURE MECHANICS.

EXPERIENCE : CHARGE MECHANIC, GENERAL RESERVE ENGINEERING FORCE, 1968-70; PRODUCTION INCHARGE, PRESS TOOLS INDUSTRIES, GHAZIABAD, 1971-72; MECHANICAL ASSISTANT, J.S.A.; S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1972-1986; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF BUILDING EQUIPMENTS AND PLANTS.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH. REPORTS - 7, ARTICLES - 2, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, DESIGN - 10, TECH. DEV. - 10, TESTING - 5, MAINTENANCE - 2, PRODUCTION - 3.

5350

DR MOHD KHALID; (B. MARCH 31, 1942),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE

QUALIFICATIONS : B.SC. - A.M.U. '62; M.SC. PHYSICAL CHEMISTRY - A.M.U. '64; PH.D. CHEMISTRY - ROORKEE '71.**SPECIALIZATIONS** : BUILDING MATERIALS; WATER PROOFING OF BUILDINGS; CHEMISTRY OF CEMENTS & CONCRETE.**EXPERIENCE** : LECTURER, K.L.D.A.V. COLLEGE, ROORKEE, 1964-65; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1965-85; SCIENTIST C, C.B.R.I. SINCE JUNE, 1985.**PRESENT ACTIVITIES** : R & D IN BUILDING MATERIALS.**LANGUAGES** : URDU, HINDI, ARABIC, ENGLISH, PERSIAN.**PUBLICATIONS & PATENTS** : RES. PAPERS - 24, TECH. REPORTS - 6, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 10, PROCESSES UNDER UTILISATION - 3.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 23, APP. RES. - 22, TECH. DEV. - 22, CONSULTANCY - 15, QUALITY CONTROL - 15, TEACHING - 1, TESTING - 15.

5351

MRS SNEH LATA KHANDUJA; (B. AUGUST 2, 1946),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. ELECTRONICS - ROORKEE '68; M.E. ELECTRONICS - ROORKEE '83.**SPECIALIZATIONS** : ELECTRONIC INSTRUMENTATION; COMPUTER SOFTWARE; FERROCEMENT TECHNOLOGY.**EXPERIENCE** : ASSISTANT FOREMAN, CIL, BANGALORE AND DPIL, DELHI, 1969-71; S.S.A., SCIENTIST A AND SCIENTIST B, S.E.R.C., ROORKEE, 1971-86; SCIENTIST C, S.E.R.C./C.B.R.I. SINCE NOVEMBER, 1986.**PRESENT ACTIVITIES** : INSTRUMENTATION & MAINTENANCE OF ELECTRONIC EQUIPMENT AND FERROCEMENT TECHNOLOGY.**LANGUAGES** : HINDI, PUNJABI, ENGLISH, GERMAN.**PUBLICATIONS & PATENTS** : RES. PAPERS - 1, TECH. REPORTS - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : CONSTRUCTION - 2, TESTING - 18, MAINTENANCE - 18.

5352

DR PRABHAT KUMAR; (B. JANUARY 1, 1946),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; B.TECH. CIVIL ENGINEERING - I.I.T., KANPUR '68; M.TECH. CIVIL ENGINEERING - I.I.T., KANPUR '72; PH.D. CIVIL ENGINEERING - ROORKEE '89.**SPECIALIZATIONS** : STRUCTURAL ENGINEERING; FINITE ELEMENT ANALYSIS; COMPUTER PROGRAMMING; UNDERGROUND STRUCTURES.**EXPERIENCE** : RESEARCH FELLOW, MONASH UNIV., AUSTRALIA, 1971-74; DESIGN ENGINEER, JOHN CONNELL & ASSOC. MELBOURNE, AUSTRALIA, 1975-77; POOL OFFICER, S.E.R.C., ROORKEE. 1977-79; LECTURER, ROORKEE UNIVERSITY, 1979-83; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1983.**PRESENT ACTIVITIES** : RESEARCH IN UNDERGROUND STRUCTURES; NONLINEAR FINITE ELEMENT ANALYSIS AND APPLICATIONS.**LANGUAGES** : HINDI, ENGLISH.**VISITED** : AUSTRALIA, ENGLAND.**PUBLICATIONS & PATENTS** : RES. PAPERS - 32, TECH. REPORTS - 2, THESIS - 2, ARTICLES - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 20, DESIGN - 2, CONSTRUCTION - 2, TESTING - 3, TEACHING - 3, ADMN. - 10, COMPUTER PROCESSING - 18.

5353

SHRI RAJIV KUMAR; (B. NOVEMBER 21, 1958),

MECHANICAL ENGINEER (C), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - ROORKEE '80; M.E. MECHANICAL ENGINEERING (APPLIED THERMO SCIENCE) - ROORKEE '82.**SPECIALIZATIONS** : MECHANICAL ENGINEERING.**EXPERIENCE** : MECHANICAL ENGINEER (B), C.B.R.I., 1983-89; MECHANICAL ENGINEER (C), C.B.R.I. SINCE AUGUST, 1989.**PRESENT ACTIVITIES** : MECHANICAL ENGINEERING IN WORKSHOP; R&D ON AUTONOMOUS SOLAR ENERGY SYSTEM FOR THERMAL & ELECTRICAL USE FOR SCHOOLS IN NON GRID AREAS.**LANGUAGES** : HINDI, SANSKRIT, ENGLISH.**PUBLICATIONS & PATENTS** : PAPERS PUBLISHED - 4.**PROFESSIONAL EXPERIENCE(IN YEARS)** : MAINTENANCE AND PRODUCTION (TOTAL 7 YEARS).

5354

SHRI SARVENDRA KUMAR; (B. DECEMBER 8, 1940),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : M.SC. APPLIED MATHEMATICS - ROORKEE '67; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '76.**SPECIALIZATIONS** : COMPUTER SOFTWARE; STRUCTURAL ANALYSIS; OPTIMIZATION STUDIES.**EXPERIENCE** : S.L.A. AND J.S.A., C.B.R.I., ROORKEE, 1963-67; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, S.E.R.C., ROORKEE, 1967-87; SCIENTIST C, S.E.R.C./C.B.R.I. SINCE FEBRUARY, 1987.**PRESENT ACTIVITIES** : R & D.**LANGUAGES** : HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 4, TECH. REPORTS - 4.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 13, COMPUTER PROCESSING - 15.

5355

SHRI SHREE KUMAR; (B. AUGUST 17, 1950),
SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '70; M.SC. PHYSICS - MEERUT '72.

SPECIALIZATIONS : BUILDING PHYSICS; ILLUMINATION.

EXPERIENCE : J.R.F. C.B.R.I., 1972-1974; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1974-87; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14.

5356

SHRI SURENDRA KUMAR; (B. MARCH 16, 1959),
SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - H.B.T.I., KANPUR '80; M.E. EARTHQUAKE ENGINEERING - ROORKEE '82.

SPECIALIZATIONS : MACHINE FOUNDATION; SOIL DYNAMICS; GEOTECHNICAL ENGINEERING; CIVIL ENGINEERING.

EXPERIENCE : RESEARCH ASSOCIATE, UNIVERSITY OF ROORKEE, 1982-83; SCIENTIST B, S.E.R.C., ROORKEE, 1983; SCIENTIST B, C.B.R.I., 1983-88; SCIENTIST C, C.B.R.I. SINCE JUNE, 1988; (ALSO VISITED GERMANY UNDER DAAD FELLOWSHIP, 1989-91).

PRESENT ACTIVITIES : RESEARCH IN FOUNDATION ENGINEERING.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC & APP. RES. (TOTAL 5 YEARS).

5357

SHRI VINOD KUMAR; (B. OCTOBER 8, 1949),
SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.SC. - GORAKHPUR '67; M.SC. PHYSICS - GORAKHPUR '69.

SPECIALIZATIONS : INSTRUMENTATION; SOLAR ENERGY; VACUUM SUPER INSULATION.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1970-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : STUDIES ON ENERGY STORAGE AND HYBRID SOLAR SYSTEM.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, DESIGN - 4, TESTING - 7.

5358

SHRI B B LAL; (B. SEPTEMBER 5, 1949),
SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '68; M.SC. CHEMISTRY - ROORKEE '71.

SPECIALIZATIONS : RADIO AND ANALYTICAL CHEMISTRY; EXTINGUISHING MATERIALS AND TECHNIQUES; FIRE RESISTANT TESTING OF BUILDING ELEMENTS; CALCIUM SILICATE PRODUCTS.

EXPERIENCE : J.R.F., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1973-87; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D AND TESTING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, ARTICLES - 3, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 2, REPORTS.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, TECH. DEV. - 9, CONSULTANCY - 5, TESTING - 14.

5359

SHRI S K MALHOTRA; (B. JANUARY 1, 1942),
SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; M.SC. INORGANIC CHEMISTRY - ROORKEE '74.

SPECIALIZATIONS : CHEMISTRY OF CEMENTS, LIME, GYPSUM AND POZZOLANA.

EXPERIENCE : GRADUATE APPRENTICE, S.L.A., J.S.A., S.S.A. AND SCIENTIST A AND SCIENTIST B, C.B.R.I., 1964-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN BUILDING MATERIALS.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 26, TECH. REPORTS - 33, ARTICLES - 10, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, CONSULTANCY - 8, TESTING - 5.

5360

MRS ABHA MITTAL; (B. JULY 19, 1961),
SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '80; M.SC. APPLIED MATHEMATICS - ROORKEE '82; P.G. DIPLOMA IN AUTOMATIC COMPUTATION - ROORKEE '83.

SPECIALIZATIONS : COMPUTER SCIENCE; PROJECT PLANNING; MATHEMATICS.

EXPERIENCE : SCIENTIST B, C.B.R.I., ROORKEE, 1984-89; SCIENTIST C, C.B.R.I. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : DEVELOPMENT OF SOFTWARE PACKAGES FOR STRUCTURAL ENGINEERING

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MANAGEMENT - 5, PLANNING (PROJECT) - 4, COMPUTER PROCESSING - 4, DEV. OF SOFTWARE - 7.

5361

SHRI B D MITTAL; (B. JANUARY 1, 1944),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; B.ARCH. - ROORKEE '69; POST GRADUATE DIPLOMA IN BUILDING SCIENCE - ROORKEE '71; M.ARCH. BUILDING SCIENCE & TECHNOLOGY - ROORKEE '74.

SPECIALIZATIONS : BUILDING SCIENCE & TECHNOLOGY; ARCHITECTURE.

EXPERIENCE : S.T.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1971-84; SCIENTIST C, C.B.R.I. SINCE MAY, 1984.

PRESENT ACTIVITIES : DESIGN OF NAVODAYA VIDYALAYA COMPLEX OF BUILDINGS COMPRISING SCHOOLS, DORMITORIES, KITCHEN-DINING, MULTIPURPOSE HALLS, WORKSHOPS AND STAFF RESIDENCES; R&D ON EDUCATIONAL AND HEALTH BUILDINGS.

LANGUAGES : HINDI, ENGLISH, URDU, PUNJABI.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 38, OTHERS - 24.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 9, R & D MGMT. - 6, CONSTRUCTION - 1, TECHNOLOGY TRANSFER - 2, EXTENSION - 1.

5362

SHRI M K MITTAL; (B. JUNE 15, 1937),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; CONCRETE STRUCTURES.

EXPERIENCE : DESIGN DRAFTSMAN, UNIV. OF ROORKEE AND B.H.E.L., HARDWAR, 1957-66; STRUCTURAL DRAFTSMAN, S.S.A., SCIENTIST A AND SCIENTIST B, S.E.R.C., ROORKEE, 1966-85; SCIENTIST C, S.E.R.C./C.B.R.I., ROORKEE SINCE JUNE, 1985.

PRESENT ACTIVITIES : R & D IN CONCRETE STRUCTURES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, DESIGN - 10, CONSULTANCY - 3, CONSTRUCTION - 1, TESTING - 2, COMPUTER PROCESSING - 3.

5363

SHRI RAM LAKHAN PAL; (B. AUGUST 6, 1938),

TECHNICAL OFFICER (C), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : I.S.C. - U.P. '55; CERTIFICATE IN REFRIGERATION & AIRCONDITIONING; ELECTRICAL COMPETENCY CERTIFICATE CLASS I.

SPECIALIZATIONS : REFRIGERATION AND AIR CONDITIONING; SOLAR ENERGY.

EXPERIENCE : FIRE MECHANIC, J.T.A., S.T.A., SCIENTIST A AND TECHNICAL OFFICER (B), C.B.R.I., 1966-87; TECHNICAL OFFICER (C), C.B.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : MAINTENANCE OF REFRIGERATION & AIR CONDITIONING EQUIPMENT; TELEPHONE, WATER SUPPLY AND ELECTRICAL SERVICES.

LANGUAGES : HINDI, PUNJABI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 21.

5364

SHRI YADVENDRA PANDEY; (B. JULY 1, 1957),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC.(ENGG) ELECTRICAL ENGINEERING - BHAGALPUR '78.

SPECIALIZATIONS : GEOTECHNICAL AND LANDSLIDE INSTRUMENTATION.

EXPERIENCE : J.R.F., C.B.R.I., 1979-80; S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1980-88; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF GEOTECHNICAL INSTRUMENTS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : POPULAR SCIENTIFIC ARTICLES (IN HINDI) - 100.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 8, DESIGN - 8, TECH. DEV. - 8, CONSULTANCY - 8, MAINTENANCE - 8.

5365

SHRI JAI PRAKASH; (B. DECEMBER 1, 1941),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '62; M.SC. PHYSICS - MEERUT '72.

SPECIALIZATIONS : ULTRASONIC TECHNIQUE FOR NON-DESTRUCTIVE TESTING; ELECTRONIC INSTRUMENTATION; TRANSDUCERS.

EXPERIENCE : DEMONSTRATOR, K.L.D.A.V. INTER COLLEGE, ROORKEE, 1962-64; S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1964-87; SCIENTIST C, C.B.R.I. SINCE FEBRUARY 1987.

PRESENT ACTIVITIES : NON - DESTRUCTIVE TESTING AND DESIGNING OF ELECTRONIC CIRCUITS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, DESIGN - 15, TECH. DEV. - 15, CONSULTANCY - 16, TESTING - 20, MAINTENANCE - 15, TEACHING - 2.

5366

SHRI R S RAWAT; (B. JANUARY 3, 1940),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '60; M.SC. ORGANIC CHEMISTRY - GARHWAL '81.**SPECIALIZATIONS** : POLYMER CONCRETES; WATER PROOF COATINGS.**EXPERIENCE** : ASSISTANT TEACHER, M.M. INTER COLLEGE, PAURI, 1960-61; J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1962-87; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1987.**PRESENT ACTIVITIES** : DEVELOPMENT OF POLYMER CONCRETES; POLYMERIC WATERPROOFING COATINGS.**LANGUAGES** : HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 20, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 4.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES.- 28, TEACHING - 1.

5367

SHRI S K SAINI; (B. DECEMBER 12, 1951),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - KASHMIR '77; M.E. MECHANICAL ENGG. - ROORKEE '89.**SPECIALIZATIONS** : DESIGN AND DEVELOPMENT OF EQUIPMENT FOR BUILDING MATERIALS AND CONSTRUCTION INDUSTRY.**EXPERIENCE** : ASSISTANT MECHANICAL ENGINEER, MODI STEELS, MODINAGAR, 1978-80; S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1980-88; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES** : DESIGN AND DEVELOPMENT OF PLANT AND EQUIPMENT FOR BUILDING MATERIALS AND CONSTRUCTION INDUSTRY.**LANGUAGES** : HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 7, TECH. REPORTS - 5, PATENTS TAKEN - 1, ARTICLES - 1, PROCESSES DEVELOPED - 3, PROCESS UNDER UTILIZATION - 3.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 10, DESIGN - 10, TECH. DEV. - 12, SALES MARKETING - 2.

5368

SHRI R C SATIYA; (B. OCTOBER 18, 1942),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : M.SC. APPLIED MATHEMATICS - ROORKEE '70.**SPECIALIZATIONS** : ASPHALT AND ITS ALLIED PRODUCTS; WATER PROOFING OF LEAKING LIME TERRACES; FLEXIBLE PAVEMENTS; CALCIUM SILICATE PRODUCTS.**EXPERIENCE** : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1966-87; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1987.**PRESENT ACTIVITIES** : RESEARCH; INFORMATION DISSEMINATION AND EDITING.**LANGUAGES** : HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 18, TECH. REPORTS - 2, PATENTS TAKEN - 1, PATENTS FILED - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.**AWARDS & DISTINCTIONS** : FICCI AWARD FOR LOW COST ROOFING SHEETS, 1982.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 17, INFORMATION DISSEMINATION AND EDITING - 6.

5369

SHRI SUDESH K SHARMA; (B. JUNE 3, 1942),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - PUNJAB '61; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '78; M.E. CIVIL - ROORKEE '82.**SPECIALIZATIONS** : ENVIRONMENTAL ENGINEERING.**EXPERIENCE** : OVERSEER, N.E.E.R.I., NAGPUR, 1962-67; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1967-86; (ALSO STUDY OF LOW COST LATRINE FOR RURAL AREAS, SWEDEN, 1982-83); SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.**PRESENT ACTIVITIES** : R&D IN WATER SUPPLY & SANITATION; DESIGN OF EXTENSION SERVICES.**LANGUAGES** : PUNJABI, HINDI, ENGLISH, GERMAN.**VISITED** : SWEDEN.**PUBLICATIONS & PATENTS** : RES. PAPERS - 35, TECH. PAPERS - 15, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILISATION - 5.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 23, CONSTRUCTION - 6.

5370

SHRI SUNIL KUMAR SHARMA; (B. OCTOBER 2, 1954),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : M.SC. PHYSICAL CHEMISTRY - JAMMU '75; DIPLOMA IN GERMAN - NAGPUR '78.**SPECIALIZATIONS** : BURNING BEHAVIOUR CHARACTERISATION OF BUILDING MATERIALS; PHYSICAL CHEMISTRY; FIRE RETARDANT SMOKE SUPPRESSANT POLYMERS.**EXPERIENCE** : J.R.F., N.E.E.R.I., 1976-78; S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1978-88; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES** : R & D.**LANGUAGES** : HINDI, MARATHI, ENGLISH, GERMAN.**PUBLICATIONS & PATENTS** : RES. PAPER - 4, TECH. REPORTS - 15.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES., TECH. DEV., TESTING - 12.

5371

SHRI SURESH KUMAR SHARMA; (B. AUGUST 4, 1947),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - U.P. '67; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '77; M.E. CIVIL ENGINEERING - ROORKEE '80.

SPECIALIZATIONS : ENVIRONMENTAL ENGINEERING.

EXPERIENCE : APPRENTICE OVERSEER, OVERSEER, J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1968-87; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH IN ENVIRONMENTAL ENGINEERING; DESIGN OF WATER SUPPLY AND DRAINAGE SERVICES.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH. REPORTS - 11.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17, CONST. - 5, CONSULTANCY - 4.

5372

SHRI V K SHARMA; (B. OCTOBER 16, 1951),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '70; M.SC. PHYSICS - MEERUT '73.

SPECIALIZATIONS : BUILDING PHYSICS; BUILDING VENTILATION; NUCLEAR PHYSICS.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST B, C.B.R.I., 1973-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 2, REVIEW ARTICLES - 2, TECHNICAL NOTE - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17.

5373

SHRI JAGBIR SINGH; (B. AUGUST 9, 1940),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '70; M.SC. ORGANIC CHEMISTRY - MEERUT '77.

SPECIALIZATIONS : ORGANIC CHEMISTRY; BUILDING MATERIALS; FIRE EXTINGUISHING AND FIRE RESISTANCE TESTING.

EXPERIENCE : LAB. BEARER, J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1960-90; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D IN FIRE EXTINGUISHING AND FIRE RESISTANCE TESTING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 19, PATENTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, TECH. DEVT. - 5, CONSULTANCY - 6, TESTING - 21. (TOTAL 26 YEARS)

5374

SHRI NARINDER SINGH; (B. NOVEMBER 15, 1940),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC.(ENGG) CIVIL - RANCHI '68.

SPECIALIZATIONS : LOW COST RURAL HOUSING AND DEVELOPMENT OF VILLAGE ENVIRONMENT; DESIGN AND CONSTRUCTION OF BUILDINGS.

EXPERIENCE : DESIGN ENGINEER, M/S TIRATH RAM AHUJA PVT. LTD., NEW DELHI, 1968-69; SUPERINTENDENT B/R GRADE I, G.R.E.F., 1970-73; S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1973-87; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN RURAL HOUSING AND VILLAGE ENVIRONMENT.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 5, DESIGN - 1, TECH. DEV. - 3, CONSTRUCTION - 10, TESTING - 2.

5375

SHRI R D SINGH; (B. DECEMBER 14, 1949),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - ROORKEE '73; M.U.R.P. URBAN AND RURAL PLANNING - ROORKEE '77.

SPECIALIZATIONS : URBAN HOUSING; URBAN AND RURAL PLANNING; BUILDING DESIGN.

EXPERIENCE : ARCHITECTURAL ASSISTANT AND S.S.A., C.B.R.I., 1973-75; ASSISTANT ARCHITECT, P.W.D., LUCKNOW, 1977-78; ASSISTANT TOWN PLANNER AND TOWN PLANNER, K.D.A., KANPUR, 1978-81; SCIENTIST B, C.B.R.I., 1981-86; SCIENTIST C, C.B.R.I. SINCE JULY, 1986.

PRESENT ACTIVITIES : R & D IN ARCHITECTURE, HOUSING AND TOWN PLANNING.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : TECH. REPORTS - 6, PAPERS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC AND APP. RES. - 12, DESIGN - 1, PLANNING - 3.

5376

DR SAHAB SINGH; (B. JANUARY 1, 1946),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '67; M.SC. CHEMISTRY - AGRA '73; M.PHIL. CHEMISTRY - A.M.U. '75; PH.D. CHEMISTRY - A.M.U. '76; CERTIFICATE IN LIBRARY SCIENCE - A.M.U. '69.

SPECIALIZATIONS : CHEMISTRY.

EXPERIENCE : ASSISTANT TEACHER, A.B. HIGHER SECONDARY SCHOOL, KALWA, 1967-70; J.R.F., ALIGARH MUSLIM UNIVERSITY, ALIGARH, 1975-77; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1977-88; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D; INSTALLATION & CALIBRATION OF EQUIPMENT; DEVELOPMENT OF STANDARD TESTING FACILITIES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 13, CONSULTANCY - 3, TEACHING - 3, TESTING - 4.

5377

DR YUDHVIR SINGH; (B. JUNE 15, 1942),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '64; M.SC. CHEMISTRY - ROORKEE '67; PH.D. CHEMISTRY - MEERUT '71.

SPECIALIZATIONS : ORGANIC CHEMISTRY; BUILDING TIMBERS AND PAINTS.

EXPERIENCE : J.R.F., PANT UNIVERSITY, PANT NAGAR, 1967-69; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1969-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 34, ARTICLES - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 22.

5378

SHRI S C SINHA; (B. JULY 9, 1937),

LIBRARY OFFICER (C), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.A. - AGRA '59; M.A. SOCIOLOGY - LUCKNOW '61; M.A.(SPL) SOCIOLOGY - LUCKNOW '62; B.LIB.SC. - DELHI '64; M.LIB.SC. - DELHI '65; ASSOCIATESHIP IN INFORMATION SCIENCE - INSDOC, NEW DELHI '79.

SPECIALIZATIONS : LIBRARY SCIENCE; INFORMATION SCIENCE.

EXPERIENCE : LIBRARIAN, D.B.S.COLLEGE, DEHRADUN, JULY 1965; LIBRARIAN, SENIOR LIBRARIAN, C.B.R.I., 1966-71; LIBRARIAN, SRI RAM CENTRE FOR INDUSTRIAL RELATIONS, DELHI, 1971-72; SENIOR LIBRARIAN, LIBRARY OFFICER (A) AND LIBRARY OFFICER(B), C.B.R.I., 1972-87; LIBRARY OFFICER(C), C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : LIBRARY SERVICES.

LANGUAGES : HINDI, URDU, ENGLISH, FRENCH.

VISITED : SOMALIA.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION - 3, LIBRARY SERVICE - 21.

5379

SHRI M R SONEJA; (B. JULY 6, 1937),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '60; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '71; M.E. CIVIL - ROORKEE '76.

SPECIALIZATIONS : PROCESS DEVELOPMENT; SOIL MECHANICS AND FOUNDATION ENGINEERING.

EXPERIENCE : S.L.A., J.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1966-85; SCIENTIST C, C.B.R.I. SINCE SEPTEMBER, 1985.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, URDU, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 21, TECH. REPORTS - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 29, DESIGN - 10.

5380

SHRI L K SRIVASTAVA; (B. MAY 10, 1945),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - GORAKHPUR '62; DIPLOMA IN MECHANICAL ENGINEERING - U.P. '66; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '74; M.E. MECHANICAL ENGINEERING - ROORKEE '87.

SPECIALIZATIONS : DESIGN AND DEVELOPMENT OF PLANT AND EQUIPMENT FOR THE PRODUCTION OF CLAY PRODUCTS AND BUILDING MATERIALS; ACCELERATED CURING OF INSITU AND PRECAST CONCRETE.

EXPERIENCE : APPRENTICE OVERSEER, MECHANICAL ASSISTANT, SENIOR MECHANICAL ASSISTANT, SCIENTIST A AND SCIENTIST B, C.B.R.I., 1966-86; (ALSO TRAINING IN DEVELOPMENT AND OPERATION OF CERAMIC PLANTS AND MACHINERIES, CANADA AND U S A, 1979); SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF PLANT AND EQUIPMENT FOR THE PRODUCTION OF BUILDING MATERIALS AND CONSTRUCTION OF BUILDINGS.

LANGUAGES : HINDI, ENGLISH.

VISITED : CANADA, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 14, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN AND DEVELOPMENT - 21, TESTING AND EXTENSION - 10.

5381

SHRI R S SRIVASTAVA; (B. JANUARY 10, 1940),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - LUCKNOW '58; M.SC. CHEMISTRY - LUCKNOW '60.

SPECIALIZATIONS : MAGNESIUM OXYCHLORIDE CEMENT; CHEMICAL RESISTANT CEMENT.

EXPERIENCE : LECTURER, INTER COLLEGE, U.P., 1960-66; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1966-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : MEASUREMENT OF POLLUTION FROM BUILDING MATERIAL INDUSTRIES AND ITS EFFECTS ON BUILDING MATERIALS.

LANGUAGES : HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH. REPORTS - 6, ARTICLES AND REVIEW PAPERS - 17, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. 21, TEACHING - 6.

5382

SHRI RAJ KUMAR SRIVASTAVA; (B. NOVEMBER 15, 1949),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - KANPUR '68; M.SC. PHYSICS - KANPUR '70.

SPECIALIZATIONS : ACOUSTICAL DESIGN OF AUDITORIA AND CINEMA HALLS; REDUCTION/CONTROL OF NOISE IN BUILDINGS; IMPROVEMENT OF ACOUSTICAL PROPERTIES OF MATERIALS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., ROORKEE, 1971-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH IN AUDIOMETRIC PERFORMANCE OF HEARING ACQUITY OF SUBJECTS IN EDUCATIONAL AND INDUSTRIAL BUILDING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, CONSULTANCY - 16, R & D MGMT. - 2, TESTING - 15, QUALITY CONTROL - 10, FUTUROLOGY - 1.

5383

SHRI S DAVID SUNDERSINGH; (B. MARCH 29, 1949),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.Arch. - MADRAS '74; M.Arch. - ROORKEE '87.

SPECIALIZATIONS : DESIGN AND DEVELOPMENT OF HOUSING AND HEALTH CARE BUILDING; LANDSCAPE DESIGN; VERNACULAR ARCHITECTURE OF INDIAN STATES; COMPUTER GRAPHICS.

EXPERIENCE : SENIOR INSTRUCTOR, DIRECTORATE OF TECHNICAL EDUCATION, MADRAS 1975-76; JUNIOR ARCHITECT, PWD, MADRAS, TAMIL NADU, 1976-77; S.S.A. AND SCIENTIST B, C.B.R.I., 1977-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN HOUSING.

LANGUAGES : TAMIL, HINDI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 4, DESIGN - 3, CONSULTANCY - 1.

5384

SHRI S P TEHRI; (B. AUGUST 15, 1942),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; M.SC. CHEMISTRY - MEERUT '73.

SPECIALIZATIONS : CEMENT AND CONCRETE; BUILDING MATERIALS FROM INDUSTRIAL WASTES; ENERGY CONSERVATION IN CEMENT MANUFACTURING.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., ROORKEE, 1964-81; SCIENTIST B, C.B.R.I., 1981-87; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN BUILDING MATERIALS; ENERGY CONSERVATION IN THE CEMENT MANUFACTURING.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 9, ARTICLES - 7, PROCESSES DEVELOPED - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES. (TOTAL:26 YEARS).

5385

SHRI M L VERMA; (B. DECEMBER 1, 1945),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '66; M.SC. CHEMISTRY - MEERUT '74.

SPECIALIZATIONS : ORGANIC CHEMISTRY; BUILDING MATERIALS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1969-1988; SCIENTIST C, C.B.R.I. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : R & D IN BUILDING MATERIALS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 30, ARTICLES - 4, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : RESEARCH PAPER PRIZE, INSTITUTION OF ENGINEERS (INDIA), 1983-84.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, CONSULTANCY - 12, TESTING - 20, TEACHING - 2.

5386

DR V V VERMA; (B. OCTOBER 29, 1941),

SCIENTIST C, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - LUCKNOW '63; M.SC. PHYSICS - AGRA '65; PH.D. PHYSICS - ROORKEE '77

SPECIALIZATIONS : HEAT TRANSFER AND ENERGY CONSERVATION IN BUILDINGS.

EXPERIENCE : LECTURER, K.G.K. COLLEGE, MORAD-ABAD, 1965-66; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.B.R.I., 1986-86; SCIENTIST C, C.B.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 23, TECH. REPORTS - 1, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, CONSULTANCY - 10, TESTING - 21, TEACHING - 1, COMPUTER PROCESSING - 8, TECHNICAL REPORT - 10.

5387

DR S K AGARWAL; (B. JULY 24, 1952),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE

QUALIFICATIONS : B.SC. - PUNJABI '72; M.SC. CHEMISTRY - HIMACHAL PRADESH '74; M.PHIL. CHEMISTRY - HIMACHAL PRADESH '75; PH.D. CHEMISTRY - HIMACHAL PRADESH '78.

SPECIALIZATIONS : BUILDING MATERIALS; CEMENT TECHNOLOGY.

EXPERIENCE : POSTDOCTORAL FELLOW, UNIV. COLLEGE, DUBLIN, IRELAND, 1979-81; POOL OFFICER (CSIR) AND RESEARCH ASSOCIATE, C.B.R.I., 1981-88; SCIENTIST B, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN BUILDING MATERIALS.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

VISITED : IRELAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 1, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC & APP. RES. - 14.

5388

SHRI S S AGGARWAL; (B. DECEMBER 4, 1947),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : M.SC. PHYSICS - MEERUT '69.

SPECIALIZATIONS : PHYSICS; HEAT TRANSFER; SOLAR ENERGY.

EXPERIENCE : LECTURER, HINDU COLLEGE, SONPAT, 1969-71; J.R.F./S.R.F., DELHI UNIVERSITY, DELHI, 1971-76; LECTURER, M.M.H. COLLEGE, GHAZIABAD (UP), S.D. COLLEGE, PALWAL (HARYANA) AND AGGARWAL COLLEGE, BALLABGARH (HARYANA), 1976-84; SCIENTIST B, C.B.R.I., 1984-86; SCIENTIST (PROJECT WORK), C.B.R.I., 1986-87; S.S.O-II, I.I.T., NEW DELHI, 1987-88; SCIENTIST B, C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH IN BUILDING PHYSICS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 16, APP. RES. - 5, TEACHING - 10.

5389

SHRI SHAILESH KUMAR AGRAWAL; (B. NOVEMBER 6, 1965),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - G.B.P.U.A. & T., PANTNAGAR '86; M.E. STRUCTURAL ENGINEERING - I.I.S.C., BANGALORE '88.

SPECIALIZATIONS : STRUCTURES; STRUCTURAL DYNAMICS; COMPUTER AIDED DESIGN.

EXPERIENCE : FELLOW, C.B.R.I., 1988-89; SCIENTIST B, C.B.R.I. SINCE MARCH, 1989.

PRESENT ACTIVITIES : COMPUTER AIDED DESIGN OF STRUCTURAL ELEMENTS.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : COMPUTER PROCESSING - 2.

5390

SHRI A A ANSARI; (B. NOVEMBER 13, 1962),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

5391

SHRI E ARAVINDAKSHAN; (B. JULY 15, 1944),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : MECHANICAL DRAUGHTMANSHIP - VISHWAKARMA TECHNICAL SCHOOL, JAMSHEDPUR '67.

SPECIALIZATIONS : MECHANICAL FABRICATION; MECHANICAL DRAWINGS.

EXPERIENCE : SENIOR DRAUGHTMAN, S.T.A. AND TECHNICAL OFFICER (A), C.B.R.I., 1971-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : REPROGRAPHY.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV., MAINTENANCE AND REPROGRAPHY - (TOTAL 20 YEARS).

5392

SHRI Y K BATRA; (B. JUNE 25, 1945),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - U.P. 67.

SPECIALIZATIONS : LOW COST HOUSING; DOMESTIC GRAIN SILO; LOW COST SANITATION.

EXPERIENCE : SUPDT. B/R II, M.E.S., ROORKEE & GORAKHPUR, 1968-74; J.T.A. AND S.T.A., C.B.R.I., 1974-85; TECHNICAL OFFICER (A), C.B.R.I., 1985-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN RURAL BUILDINGS AND ENVIRONMENT.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 2, BUILDING RESEARCH/TECHNICAL NOTE - 9, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, CONSTRUCTION - 18, TESTING - 2, MAINTENANCE - 5, TECHNO-ECONOMIC SURVEYS - 1, TECHNOLOGY TRANSFER - 10, EXTENSION - 10.

5393

MISS MANISHA BHAL; (B. MARCH 7, 1966),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

5394

SHRI S N BHARGAVA; (B. JULY 19, 1947),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - KANPUR '68.

SPECIALIZATIONS : GEOTECHNICAL ENGINEERING; SOIL MECHANICS.

EXPERIENCE : SCIENTIFIC ASSISTANT, I.R.I., ROORKEE, 1969; S.L.A., J.S.A., S.S.A. AND TECHNICAL OFFICER (A), C.B.R.I., 1969-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH IN SOIL MECHANICS AND FOUNDATION ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 35.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 21, CONSULTANCY - 21, TESTING - 21.

5395

SHRI KULDEEP CHAND; (B. JANUARY 15, 1943),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL DRAFTSMANSHIP - ROORKEE '65; B.A. - MEERUT '68; M.A. SOCIOLOGY - MEERUT '80.

SPECIALIZATIONS : SOCIO ECONOMIC AND HOUSING SURVEYS; ARCHITECTURAL AND STRUCTURAL DRAWINGS.

EXPERIENCE : SENIOR DRAFTSMAN, SR. DRAFTSMAN GRADE VIII AND S.T.A., C.B.R.I., 1974-87; TECHNICAL OFFICER(A), C.B.R.I., 1987-89; TECHNICAL OFFICER (B), C.B.R.I. SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES : TECHNOLOGY TRANSFER AND TECHNOECONOMIC SURVEYS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : SURVEY OF NAT. RESOURCES - 4, APP. RES. - 1, TECHNO-ECONOMIC SURVEYS - 16, TECHNOLOGY TRANSFER - 16, DRAWINGS - 16.

5396

SHRI RAMESH CHANDRA; (B. AUGUST 4, 1954),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - U.P. '75.

SPECIALIZATIONS : SOIL MECHANICS AND FOUNDATION ENGINEERING; DESIGN OF PILE FOUNDATIONS.

EXPERIENCE : J.S.A., S.S.A. AND TECHNICAL OFFICER(A), C.B.R.I., 1977-89; TECHNICAL OFFICER (B), C.B.R.I. SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES : R & D IN FOUNDATION ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 14.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12.

5397

SHRI K L CHHABRA; (B. OCTOBER 4, 1952),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - U.P. '73.

SPECIALIZATIONS : BUILDING CONSTRUCTION; TECHNOLOGY TRANSFER; ESTIMATING AND COSTING FOR BUILDINGS.

EXPERIENCE : OVERSEER, C.B.R.I., 1973; JUNIOR ENGINEER, U.P. IRRIGATION, 1973-75; J.T.A., S.T.A. AND TECHNICAL OFFICER(A), C.B.R.I., 1973-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : CONSTRUCTION OF BUILDINGS AND EXTENSION OF NEW CONSTRUCTION TECHNIQUES.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEVELOPMENT - 3, CONSULTANCY - 1, CONSTRUCTION - 8, TESTING - 1, MAINTENANCE - 1, PLANNING - 1, COMPUTER PROCESSING - 1, EXTENSION - 8.

5398

SHRI R S CHIMOTE; (B. MAY 9, 1961),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. FIRE ENGINEERING - NAGPUR '86; M.S. SCIENCE & TECHNOLOGY POLICY - BITS, PILANI, 1989.

SPECIALIZATIONS : FIRE ENGINEERING; COMBUSTION; THERMODYNAMICS AND HEAT TRANSFER; FIRE EXTINGUISHING.

EXPERIENCE : TECHNICAL ASSTT., WESTERN TRANSWITCH PVT. LTD., NAGPUR, 1983; FIRE ENGINEER TRAINEE DELHI FIRE SERVICE HQS., NEW DELHI, 1986; FIRE ENGINEER

TRAINEE, BOMBAY FIRE SERVICE HQS., BOMBAY, 1986-87; EXECUTIVE TRAINEE, M/S OIL INDIA LTD., DULIAJAN, ASSAM, 1987-88; SCIENTIST B, C.B.R.I. SINCE JULY, 1988.

PRESENT ACTIVITIES : R & D ON FIRE EXTINGUISHING; COMBUSTION AND BURNING BEHAVIOUR OF VARIOUS FUELS; CONSULTANCY AND TESTING.

LANGUAGES : MARATHI, HINDI, ASSAMESE, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, PATENTS - 2, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION-2, MAINTENANCE-2, INDUSTRIAL MGMT.-1, PLANNING-1, COMPUTER PROCESSING-3, FIRE EXTINGUISHMENT-4, INDST. FIRE PROTECTION-1 1/2, FIRE SAFETY PLANNING -1 1/2, FIRE R&D-2 1/2.

5399

SHRI R DHARMARAJU; (B. MAY 1, 1964),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MYSORE '86; M.SC. GEOLOGY - MYSORE '88.

SPECIALIZATIONS : SEDIMENTOLOGY AND STRATIGRAPHY; LANDSLIDE STUDIES.

EXPERIENCE : JRF, MYSORE UNIV., 1988-89; SCIENTIST B, C.B.R.I. SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES : BASIC RESEARCH ON LANDSLIDES.

LANGUAGES : KANNADA, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 4.

5400

DR SWAPAN KUMAR DOLUI; (B. OCTOBER 6, 1959),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : M.SC. PHYSICAL CHEMISTRY - CALCUTTA '83; PH.D. POLYMER SCIENCE - I.I.T. KHARAGPUR '87.

SPECIALIZATIONS : POLYMER CHEMISTRY.

EXPERIENCE : RESEARCH ASSOCIATE, VAM ORGANIC CHEMICAL LTD, U.P., 1986-89; SCIENTIST B, C.B.R.I., ROORKEE SINCE DECEMBER 1989.

PRESENT ACTIVITIES : PROTECTIVE COATING; CORROSION; POLYMER CHEMISTRY.

LANGUAGES : BENGALI, ENGLISH, HINDI, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 1.

AWARDS & DISTINCTIONS : CONNINGHAM MEMORIAL AWARD, CALCUTTA, 1982-83; BEST PAPER AWARD, INDIAN CHEMICAL SOCIETY, 1983.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 7.

5401

DR(MRS) MRIDUL GARG; (B. SEP. 25, 1954),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '73; M.SC. CHEMISTRY - ROORKEE '75; PH.D. CHEMISTRY - ROORKEE '85.

SPECIALIZATIONS : PHOSPHOGYPSUM AND ITS PRODUCTS; POLAROGRAPHY; ORGANIC CHEMISTRY.

EXPERIENCE : LECTURER, K.L.D.A.V. DEGREE COLLEGE, ROORKEE, 1977-81; JRF, SRF, AND RESEARCH ASSOCIATE, ROORKEE UNIV., 1981-86; RESEARCH ASSOCIATE, C.B.R.I., 1986-90; SCIENTIST B, C.B.R.I. SINCE AUGUST, 1990.

PRESENT ACTIVITIES : R & D IN PHOSPHOGYPSUM.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, OTHERS - 1, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 6, TEACHING - 4, APPLIED RESEARCH - 4, TESTING - 4, CONSULTANCY - 1.

5402

SHRI G P GARGA; (B. JULY 15, 1938),

DOCUMENTATION OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.A. - AGRA '64; M.A. HISTORY - GURUKUL KANGRI '66; B.LIB. SC. - DELHI '68

SPECIALIZATIONS : DOCUMENTATION; LIBRARY SCIENCE.

EXPERIENCE : LABORATORY OPERATOR, L.D.C., U.D.C., LIBRARIAN, SENIOR LIBRARIAN, SENIOR DOCUMENTATION ASSISTANT AND DOCUMENTATION OFFICER (A), C.B.R.I., 1956-86; DOCUMENTATION OFFICER(B), C.B.R.I. SINCE JUNE, 1986.

PRESENT ACTIVITIES : DOCUMENTATION AND LIBRARY SERVICES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 3, BIBLIOGRAPHIES - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION - 12, LIBRARY SERVICES - 20.

5403

SHRI R K GHOSH; (B. OCTOBER 28, 1938),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DRAFTSMAN CIVIL - I.T.C. ENGG. COLLEGE, B.H.U. '60.

SPECIALIZATIONS : STRUCTURAL DRAWING AND DRAFTING.

EXPERIENCE : TRACER, VARANASI IMPROVEMENT TRUST, 1951-56; TRACER, C.F.R.I., DHANBAD, 1961-64; JR. D/MAN, SR/DRAFTSMAN AND S.T.A., S.E.R.C., ROORKEE, 1966-87; TECHNICAL OFFICER(A), C.B.R.I., 1987-88; TECHNICAL OFFICER (B), C.B.R.I., 1987-88; SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : STRUCTURAL DRAWING AND DRAFTING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DRAWING & DRAFTING (TOTAL ABOUT 29 YEARS).

5404

SHRI R K GOEL; (B. JULY 15, 1948),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '68; M.SC. CHEMISTRY - MEERUT '70.

SPECIALIZATIONS : SOIL CHEMISTRY AND CLAY MINERALOGY; HEAVY CLAY PRODUCTS AND CERAMICS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., 1974-85; SCIENTIST B, C.B.R.I. SINCE JUNE, 1986.

PRESENT ACTIVITIES : R & D IN HEAVY CLAY PRODUCTS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 22, ARTICLES - 4, PROCESSES DEVELOPED - 10, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 12, TECHNICAL DEV. - 4, PILOT PLANT - 4, CONSULTANCY - 10, TESTING - 6.

5405

SHRI M L GUPTA; (B. FEBRUARY 12, 1945),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - M.P. '66.

SPECIALIZATIONS : BUILDING CONSTRUCTION; SANITATION AND DRAINAGE IN RURAL AREAS.

EXPERIENCE : OVERSEER, IMPROVEMENT TRUST, BHARATPUR, 1967-74; J.T.A., S.T.A. AND TECHNICAL OFFICER (A), C.B.R.I., 1974-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R&D IN RURAL BUILDINGS AND ENVIRONMENT.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, DESIGN - 1, CONSTRUCTION - 20, TESTING - 1, QUALITY CONTROL - 1, MAINTENANCE - 5, TECHNO-ECONOMIC SURVEYS - 3, PLANNING - 1, TECHNOLOGY TRANSFER - 3.

5406

DR MANORAMA GUPTA; (B. DECEMBER 23, 1953),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '76; M.SC. ORGANIC CHEMISTRY - MEERUT '78; PH.D. PHYSIOCHEMISTRY - MEERUT '90.

SPECIALIZATIONS : POLYMERS AND PLASTICS.

EXPERIENCE : JRF, SRF, JSA, STA, C.B.R.I., 1979-90; SCIENTIST B, C.B.R.I. SINCE JUNE, 1990.

PRESENT ACTIVITIES : R & D IN POLYMERS, PLASTICS, COMPOSITE MATERIALS AND DURABILITY OF POLYMER BUILDING MATERIALS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, OTHERS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12.

5407

SHRI SHASHI BAL GUPTA; (B. OCTOBER 1, 1942),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - U.P. '66; SUB-OFFICERS FIRE FIGHTING COURSE - NATIONAL FIRE SERVICE COLLEGE, NAGPUR '76.

SPECIALIZATIONS : FIRE FIGHTING EQUIPMENT; FIRE PROTECTION IN BUILDING.

EXPERIENCE : MECHANICAL SUPERVISOR, ELECTRO STEEL LTD., 24 PARGANAS, WEST BENGAL, 1966-68; MECH. SUPERVISOR, DINKEK CHEM., KANPUR, 1968-69; MAINTENANCE ENGINEER, SOLAR CHEM., 1969-72; MECH. INSTRUCTOR, K.L.POLYTECHNIC, ROORKEE, 1972-73; J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., 1973-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE JULY, 1988.

PRESENT ACTIVITIES : RESEARCH IN ACTIVE FIRE PROTECTION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 12, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17, DESIGN - 14, TECHNICAL DEVELOPMENT - 14, CONSULTANCY - 3, TESTING - 14, MAINTENANCE - 6, TEACHING - 1.

5408

SHRI B N IYER; (B. OCTOBER 20, 1939),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - MADRAS '61.

SPECIALIZATIONS : BUILDING CONSTRUCTION; EXTENSION.

EXPERIENCE : APPRENTICE, ASWA THANA RAYANA & ESWARA, MAS., 1961-63; JR. EXECUTIVE, GANON DUNKERLEY & CO.(MADRAS) LTD., 1963-67; PRIVATE CONTRACT WORK, 1967-69; CIVIL ENGINEER, HINDUSTAN POLYMERS, VIZAG, 1969-71; CIVIL ENGINEER NAVYUG INDUSTRIES, DELHI, 1971-72; S.S.A. AND SCIENTIST A, C.B.R.I SCHOOL BUILDING PROJECT, 1972-76; S.S.A. AND SCIENTIST A, C.B.R.I., 1976-86; TECHNICAL OFFICER(B), C.B.R.I. SINCE JUNE, 1986.

PRESENT ACTIVITIES : EXTENSION OF BUILDING PROCESSES.

LANGUAGES : TAMIL, HINDI, TELUGU, MALAYALAM, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 60.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 15, EXTENSION - 15.

5409

SHRI H K JAIN; (B. SEPTEMBER 29, 1955),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - WEST BENGAL '73.

SPECIALIZATIONS : CONSTRUCTION OF BUILDINGS AND ROADS; EXTENSION OF CONSTRUCTION TECHNOLOGY.

EXPERIENCE : SUPERVISOR, PRIVATE BUILDERS, DARJEELING, 1973-74; JUNIOR ENGINEER, P.W.D., U.P., 1974-75; J.T.A., S.T.A., AND TECHNICAL OFFICER (A) C.B.R.I., 1975-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE APRIL 1988.

PRESENT ACTIVITIES : SUPERVISION OF CONSTRUCTION AND EXTENSION OF CONSTRUCTION TECHNOLOGY.

LANGUAGES : HINDI, NEPALI, BENGALI, GUJARATI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3, ARTICLES - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEVELOPMENT - 2, CONSULTANCY - 2, CONSTRUCTION - 8, QUALITY CONTROL - 2, EXTENSION - 8.

5410

SHRI LALIT MOHAN JAIN; (B. JULY 19, 1949),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - U.P. '73; POST DIPLOMA IN AUTO AND TRACTOR ENGINEERING - PUNJAB '74.

SPECIALIZATIONS : AUTOMOBILE AND TRACTOR ENGINEERING.

EXPERIENCE : MECHANICAL ASSTT., SR. MECH. ASSTT. AND TECHNICAL OFFICER(A), C.B.R.I., 1977-89; TECHNICAL OFFICER (B), C.B.R.I. SINCE JUNE, 1989.

PRESENT ACTIVITIES : QUALITY CONTROL, MAINTENANCE AND PRODUCTION.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : QUALITY CONTROL - 12, MAINTENANCE - 12, PRODUCTION - 12, TEACHING - 2.

5411

SHRI S C JAIN; (B. AUGUST 16, 1937),

INFORMATION OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '59; CERTIFICATE IN LIBRARY SCIENCE - U.P. '68; M.A. HISTORY - RAJASTHAN '74.

SPECIALIZATIONS : INFORMATION DISSEMINATION; PUBLIC RELATIONS.

EXPERIENCE : COMPUTER AND S.L.A., C.B.R.I., 1959-70; PROOF READER, C.S.I.O., CHANDIGARH, 1970-74; S.S.A. AND

INFORMATION OFFICER(A), S.E.R.C., ROORKEE, 1974-84; INFORMATION OFFICER(B), S.E.R.C./C.B.R.I. SINCE APRIL, 1984.

PRESENT ACTIVITIES : INFORMATION DISSEMINATION AND PUBLIC RELATIONS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TRANSLATION - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNOLOGY TRANSFER, EDITING, DOCUMENTATION AND SALES (TOTAL : 31 YEARS).

5412

SHRI S K JAIN; (B. JULY 11, 1940),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - U.P. '64; B.SC. - MEERUT '70; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '75.

SPECIALIZATIONS : BUILDING CONSTRUCTION.

EXPERIENCE : CIVIL OVERSEER, B.H.E.L., HARDWAR, 1964-65; CIVIL OVERSEER, U.P. P.W.D. RESEARCH INSTITUTE, LUCKNOW, 1965-67; CIVIL INSTRUCTOR CUM OVERSEER, K.L. POLYTECHNIC, ROORKEE, 1967-73; J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., ROORKEE, 1973-81; SCIENTIST B, C.B.R.I. SINCE APRIL, 1981.

PRESENT ACTIVITIES : R & D IN BUILDING CONSTRUCTION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 8, ARTICLES - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 13, APP. RES. - 13, CONSULTANCY - 1, CONSTRUCTION - 4, OPERATION - 10, TESTING - 10, TEACHING - 6.

5413

SHRI A K JETHI; (B. NOVEMBER 22, 1944),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN ELEC. ENGG. - AIR FORCE TECH. COLLEGE, BANGALORE '63.

SPECIALIZATIONS : MAINTENANCE OF ELECTRICAL INSTALLATIONS; PHOTOGRAPHY; POWER PLANTS AND AIR CONDITIONING PLANTS.

EXPERIENCE : JTA AND STA, C.B.R.I., 1984-90; TECHNICAL OFFICER (B), C.B.R.I. SINCE MARCH, 1990.

PRESENT ACTIVITIES : PHOTOGRAPHY.

LANGUAGES : ENGLISH, HINDI, PUNJABI.

AWARDS & DISTINCTIONS : BEST PAPER AWARD ON INSTRUMENTATION, INDIAN GEOTECHNICAL SOCIETY, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : OTHERS - 1.

5414

SHRI P D KALRA; (B. JULY 2, 1942),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - AGRA '63; M.SC. CHEMISTRY - MEERUT '74.

SPECIALIZATIONS : CHEMICAL ANALYSIS; TESTING OF BUILDING MATERIALS.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., 1965-85; SCIENTIST B, C.B.R.I. SINCE FEBRUARY, 1985.

PRESENT ACTIVITIES : R & D IN BUILDING MATERIALS.

LANGUAGES : HINDI, PUNJABI, ENGLISH, SANSKRIT.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25.

5415

SHRI ASHOK KUMAR; (B. FEBRUARY 1, 1963),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - HIMANCHAL PRADESH '84; B.ARCH - J.N.T.U., HYDERABAD '89.

SPECIALIZATIONS : DESIGN OF INSTITUTE BUILDINGS, CAMPUS PLANNING AND RESIDENTIAL BUILDINGS.

EXPERIENCE : TRAINEE/ASSTT. ARCHITECT AND ARCHITECT, N.B.M.A. NEW DELHI, 1989-90; SCIENTIST B, C.B.R.I. SINCE JULY, 1990.

PRESENT ACTIVITIES : DESIGNING, PLANNING, CONSTRUCTION DETAILS. ETC.; ARCHITECTURAL WORK.

LANGUAGES : HINDI, ENGLISH.

AWARDS & DISTINCTIONS : SHANKAR DAS PARELKAR COMMEMORATION FUND PRIZE, I I A, BOMBAY, 1988-89.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 2, DESIGN - 2, PLANNING - 2.

5416

DR PRADEEP KUMAR; (B. JANUARY 15, 1961),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.E. CIVIL ENGG. - KASHMIR '84; M.E. GEOTECHNICAL ENGG. - ROORKEE '86.

SPECIALIZATIONS : GEOTECHNICAL ENGINEERING.

EXPERIENCE : S.R.F., C.B.R.I., 1986-87; SCIENTIST B, S.E.R.C., GHAZIABAD, 1987-90; (ALSO DAAD FELLOWSHIP FOR ADVANCED TRAINING, W. GERMANY, 1991-92); SCIENTIST B, C.B.R.I. SINCE OCT 1990;

PRESENT ACTIVITIES : APPLIED RESEARCH IN A THRUST AREA PROJECT.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 5, CONSTRUCTION - 1, APP. RES. - 1, DESIGN - 2, TESTING - 1.

5417

SHRI RAJENDRA KUMAR; (B. NOVEMBER 1, 1953),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - K.L. POLYTECHNIC, ROORKEE '74.

SPECIALIZATIONS : BUILDING CONSTRUCTION.

EXPERIENCE : J.T.A., S.T.A. AND TECHNICAL OFFICER(A), C.B.R.I., 1975-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : EXTENSION OF CBRI TECHNIQUES.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : EXTENSION - 10, CONSTRUCTION - 5.

5418

MISS SUNITA KUMARI; (B. JANUARY 13, 1968),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.TECH (CIVIL) - UNIVERSITY OF CALICUT '90.

SPECIALIZATIONS : ADVANCED STRUCTURAL DESIGN.

EXPERIENCE : SCIENTIST (B), C.B.R.I., ROORKEE SINCE JUNE, 1990.

PRESENT ACTIVITIES : DESIGN, TECHNOLOGY TRANSFER & EXTENSION.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 4, TECHNOLOGY TRANSFER - 1, EXTENSION - 1.

5419

SHRI ROOP LAL; (B. MARCH 15, 1937),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : CERTIFICATE IN CRAFTSMANSHIP (ELECTRONICS) - I.T.I., MEERUT '58.

SPECIALIZATIONS : INSTRUMENTATION.

EXPERIENCE : MECHANIC, ELECTRICIAN, J.T.A., S.T.A. AND TECHNICAL OFFICER (A), C.B.R.I., 1958-89; TECHNICAL OFFICER (B), C.B.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : MAINTENANCE OF INSTRUMENTS.

LANGUAGES : HINDI, URDU, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 12, TESTING - 15, MAINTENANCE - 14.

5420

SHRI K MAHADEVAIAH; (B. MARCH 2, 1963),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MYSORE '86; M.SC. GEOLOGY - MYSORE '88.

SPECIALIZATIONS : GEOCHEMISTRY; PETROLOGY.

EXPERIENCE : SCIENTIST B, C.B.R.I. ROORKEE SINCE JULY, 1990.

PRESENT ACTIVITIES : RESEARCH IN GEOLOGY.

LANGUAGES : KANNADA, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 1.

5421

DR A K MINOCHA; (B. FEBRUARY 6, 1959),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '79; M.SC. ANALYTICAL CHEMISTRY - ROORKEE '81; PH.D. ANALYTICAL CHEMISTRY - ROORKEE '85.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY; AIR QUALITY MONITORING; INSTRUMENTATION CHEMISTRY.

EXPERIENCE : S.R.F. AND RESEARCH ASSOCIATE, C.B.R.I., 1985-89; SCIENTIST B, C.B.R.I. SINCE MARCH, 1989.

PRESENT ACTIVITIES : INSTRUMENTATION CHEMISTRY AND MEASUREMENT OF POLLUTION FROM BUILDING MATERIAL INDUSTRIES.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC & APP. RES. - 5, TEACHING - 1.

5422

MRS NEETA S MITTAL; (B. JANUARY 1, 1958),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - ROORKEE '79; M. ARCH. - ROORKEE '83.

SPECIALIZATIONS : BUILDING SCIENCE & TECHNOLOGY; SCHOOL BUILDINGS.

EXPERIENCE : S.S.A./S.T.A., C.B.R.I., 1980-89; SCIENTIST B, C.B.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : DESIGN AND RESEARCH.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, DESIGN - 5.

5423

SHRI SURENDRA KUMAR NEGI; (B. JULY 15, 1965),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - PUNJAB '89.

SPECIALIZATIONS : ARCHITECTURAL DESIGN.

EXPERIENCE : SCIENTIST B, C.B.R.I. SINCE JULY, 1990.

PRESENT ACTIVITIES : ARCHITECTURE WORK.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, DESIGN - 1.

5424

SHRI R C SAHIJ PAUL; (B. FEBRUARY 12, 1942),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - D.G.R.E. '59; CERTIFICATE IN PHOTOGRAMMETRY, PHOTO INTERPRETATION, REMOTE SENSING - INDIAN PHOTO INTERPRETATION INSTITUTE, DEHRADUN '82, A.M.I.S.E. (INDIA).

SPECIALIZATIONS : BUILDING CONSTRUCTION; PHOTOGRAMMETRY; PHOTO-INTERPRETATION; REMOTE SENSING.

EXPERIENCE : DRAUGHTSMAN, C.P.W.D., AJMER, 1960-66; DRAUGHTSMAN, SENIOR DRAUGHTSMAN, J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., 1966-87; TECHNICAL OFFICER (B), C.B.R.I. SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : RESEARCH AND CONSTRUCTION.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 4, BROCHURES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 14.

5425

SHRI P C RASTOGI; (B. AUGUST 15, 1944),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '66.

SPECIALIZATIONS : GEOTECHNICAL ENGINEERING; PRESSURE METER TESTING; SOIL EXPLORATION; PILE FOUNDATIONS.

EXPERIENCE : OVERSEER, B.H.E.L., HARDWAR, 1966-73; J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., 1973-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : RESEARCH IN SOIL MECHANICS AND FOUNDATION ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 18, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17, DESIGN - 5, TECHNICAL DEVELOPMENT - 13, CONSULTANCY - 14, CONSTRUCTION - 7, TESTING - 10, MAINTENANCE - 7, EDITING - 2.

5426

SHRI V RAVI; (B. AUGUST 30, 1965),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - ANDHRA '85; M.SC. STATISTICS & OPERATION RESEARCH I.I.T., BOMBAY '87; PG DIP. IN SCIENCE & TECHNOLOGY - BITS, PILANI '90; M.S. IN SCIENCE & TECHNOLOGY - BITS, PILANI '90.

SPECIALIZATIONS : STATISTICS; OPERATIONS RES.; COMPUTER SCIENCE; MATHEMATICS.

EXPERIENCE : SCIENTIST B, C.B.R.I. SINCE JULY, 1988.

PRESENT ACTIVITIES : RESEARCH & R&D MANAGEMENT.

LANGUAGES : TELUGU, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 3, R&D MGMT - 2, PLANNING - 1, COMPUTER PROCESSING - 4.

5427

MISS RITA; (B. FEBRUARY 16, 1966),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '84; B.E. ELECTRICAL ENGINEERING - ROORKEE '88; M.TECH. COMPUTER SCIENCE - ROORKEE '90.

SPECIALIZATIONS : COMPUTER SCIENCE; ELECTRICAL ENGINEERING.

EXPERIENCE : RESEARCH FELLOW, C.B.R.I., 1990; SCIENTIST B, C.B.R.I. SINCE JUNE, 1990.

PRESENT ACTIVITIES : DEVELOPMENT OF SOFTWARE AND COMPUTER PROCESSING.

LANGUAGES : HINDI, ENGLISH.

5428

SHRI SHANTANU SARKAR; (B. DECEMBER 10, 1962),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. GEOLOGY - RANCHI '82; M.SC. APPLIED GEOLOGY - ROORKEE '85; M.TECH. ENGINEERING GEOLOGY - I.S.M., DHANBAD '86.

SPECIALIZATIONS : ENGINEERING GEOLOGY; HYDROGEOLOGY.

EXPERIENCE : R.A., UNIVERSITY OF ROORKEE, ROORKEE 1987-88; S.R.F., C.B.R.I., 1988-90; SCIENTIST B, C.B.R.I. SINCE JULY, 1990.

PRESENT ACTIVITIES : R & D IN ENGINEERING GEOLOGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 3, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 5.

5429

DR N K SAXENA; (B. JANUARY 1, 1955),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : M.SC. ORGANIC CHEMISTRY - MEERUT '77; PH.D. CHEMISTRY - MEERUT '86.

SPECIALIZATIONS : FIRE RETARDANT TREATMENT OF COMBUSTIBLE MATERIALS; BURNING BEHAVIOUR; ORGANIC CHEMISTRY; CHARACTERISATION OF BUILDING MATERIALS.

EXPERIENCE : J.R.F., S.R.F., CONTRACTUAL RESEARCHER AND TECHNICAL ASSISTANT C.B.R.I., 1978-89; SCIENTIST B, C.B.R.I. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 10, TESTING - 1, TECHNICAL DEV. - 8, CONSULTANCY - 1.

5430

SHRI D K SEHGAL; (B. NOVEMBER 2, 1959),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

5431

SHRI B K SHARDA; (B. APRIL 1, 1936),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL DRAUGHTSMANSHIP - ROORKEE; CERTIFICATE IN BUILDING QUANTITY SURVEYING - INSTITUTION OF SURVEYORS, INDIA '69; CERTIFICATE IN SITE PLANNING-SCHOOL OF PLANNING & ARCHITECTURE, DELHI '86.

SPECIALIZATIONS : BUILDING DESIGN; TOWN PLANNING; SPACE STANDARDS AND TOWN DENSITIES; BUILDING QUANTITY SURVEYING.

EXPERIENCE : DRAUGHTSMAN, SENIOR DRAUGHTSMAN, J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., 1961-87; TECHNICAL OFFICER (B), C.B.R.I. SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : FORMULATION OF SPACE STANDARDS AND TOWN DENSITIES.

LANGUAGES : HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 15.

5432

SHRI ASHOK KUMAR SHARMA; (B. JULY 1, 1955),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING (HONS) - U.P. '74; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '87; M.E.(HONS) CIVIL - ROORKEE '90.

SPECIALIZATIONS : SOIL MECHANICS AND FOUNDATION ENGINEERING; FOUNDATION IN WEAK SUBSOIL AND PROBLEMATIC DEPOSITS; GROUND IMPROVEMENT AND SUBSOIL INVESTIGATIONS FOR FOUNDATION DESIGN.

EXPERIENCE : OVERSEER, C.B.R.I. 1974; JR. ENGINEER, G.B.PANT UNIVERSITY, 1974-77; JR. ENGINEER, IRRIGATION

DEPTT., U.P., 1977; J.T.A., S.S.A., AND TECHNICAL OFFICER (A), C.B.R.I., 1977-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES: R&D AND CONSULTANCY IN SOIL MECHANICS AND FOUNDATION ENGINEERING.

LANGUAGES: HINDI, ENGLISH.

PUBLICATIONS & PATENTS: RES. PAPERS - 5, TECH. REPORTS - 22, PATENTS TAKEN - 6, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS: BEST PAPER AWARD, INDIAN GEOTECHNICAL SOCIETY, 1990.

PROFESSIONAL EXPERIENCE(IN YEARS): APP. RES. - 10, DESIGN - 10, CONSULTANCY - 10, CONSTRUCTION - 3, TESTING - 10.

5433

SHRI KAILASH NATH SHARMA; (B. FEBRUARY 10, 1944),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS: DIPLOMA IN CIVIL ENGINEERING - MADHYA PRADESH '66; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '86; M.S. TECHNOLOGICAL OPERATION - BITS, PILANI '90.

SPECIALIZATIONS: PREFABRICATION; INSTRUMENTATION FOR NON-DESTRUCTIVE TESTING OF R C C STRUCTURES.

EXPERIENCE: OVERSEER AND TRACER, B.H.E.L., HARDWAR, 1967-70; S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., 1970-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE JUNE, 1988.

PRESENT ACTIVITIES: R & D IN PREFABRICATION COMPONENTS.

LANGUAGES: HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS: RES. PAPERS - 11, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS): APP. RES. - 20, CONSTRUCTION - 3.

5434

SHRI BALBIR SINGH; (B. FEBRUARY 9, 1945),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS: DRAUGHTSMAN (CIVIL) - PUNJAB '65.

SPECIALIZATIONS: ARCHITECTURAL AND STRUCTURAL DRAFTING; BUILDING DETAILING AND PLANNING; BUILDING CONSTRUCTION; ESTIMATING AND LAND SURVEY.

EXPERIENCE: TRACER, AMRITSAR IMPROVEMENT TRUST, AMRITSAR '1965; JR. DRAUGHTSMAN, LUDHIANA IMPROVEMENT TRUST, 1965-68; DRAUGHTSMAN, SR. DRAUGHTSMAN, J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., 1968-88; TECHNICAL OFFICER (B), C.B.R.I. SINCE JULY, 1988.

PRESENT ACTIVITIES: DESIGN AND DEVELOPMENT OF INSTANT SHELTER BIOGAS PLANTS.

LANGUAGES: PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS: RES. PAPERS - 4, SURVEY REPORTS - 3, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS): APP. RES. - 1, DESIGN - 3, TECHNICAL DEVT. - 1, CONSTRUCTION - 10, TESTING - 1, SURVEY OF NATURAL RESOURCES - 2, TECHNOLOGY TRANSFER - 1.

5435

DR BRAJESHWAR SINGH; (B. JULY 31, 1957),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS: B.SC. - GORAKHPUR '77; M.SC. ORGANIC CHEMISTRY - GORAKHPUR '79; PH.D. COMPOSITE MATERIALS - B.H.U. '87.

SPECIALIZATIONS: COMPOSITE MATERIALS; HIGH TEMPERATURE CERAMICS.

EXPERIENCE: ENGINEER TRAINEE, E.R.D.A., BARODA, 1986-87; SCIENTIST B, C.B.R.I. SINCE JANUARY, 1988.

PRESENT ACTIVITIES: RESEARCH IN POLYMER - BASED COMPOSITE MATERIALS.

LANGUAGES: HINDI, ENGLISH.

PUBLICATIONS & PATENTS: RES. PAPERS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS): APP. RES. - 5.

5436

SHRI HARPAL SINGH; (B. DECEMBER 4, 1964),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS: B.SC. - MEERUT '86; M.SC. CHEMISTRY - MEERUT '88.

SPECIALIZATIONS: ORGANIC CHEMISTRY.

EXPERIENCE: RESEARCH FELLOW P.I.D., NEW DELHI, 1990; SCIENTIST B, C.B.R.I. SINCE JULY, 1990.

PRESENT ACTIVITIES: R & D ON FIRE RETARDANTS.

LANGUAGES: HINDI, ENGLISH.

5437

SHRI M P SINGH; (B. JUNE 1, 1941),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS: DIPLOMA IN CIVIL ENGINEERING - ROORKEE '64.

SPECIALIZATIONS: CONSTRUCTION; EXTENSION; DEMONSTRATION; EXHIBITION AND FILM MAKING.

EXPERIENCE: JR. ENGINEER, C.P.W.D., 1964-71; J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., 1971-87 (ALSO WORKED WITH R.I.C.B. BHUTAN, 1986-89); TECHNICAL OFFICER (B), C.B.R.I. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES: TECHNOLOGY TRANSFER; EXTENSION AND EXHIBITIONS.

LANGUAGES: HINDI, PUNJABI, ENGLISH.

VISITED: BHUTAN.

PROFESSIONAL EXPERIENCE(IN YEARS): APP. RES. - 2, CONSTRUCTION - 10, QUALITY CONTROL - 10, OPERATION - 10, TECHNOLOGY TRANSFER - 10, EXTENSION - 8, OTHERS - 2.

5438

SHRI SUVIR SINGH; (B. SEPTEMBER 22, 1962),
SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE,
ROORKEE.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - PANJAB '84;
M.E. CIVIL ENGINEERING - ROORKEE '86.

SPECIALIZATIONS : FIRE PROTECTION OF STEEL STRUCTURES; POST-FIRE INVESTIGATIONS; FIRE RESISTANCE EVALUATIONS.

EXPERIENCE : J.R.F. AND S.R.F., C.B.R.I., 1986-89; SCIENTIST B, C.B.R.I. SINCE MARCH, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, TECHNICAL DEV. - 2.

5439

SHRI V P SINGH; (B. DECEMBER 25, 1939),

TECHNICAL OFFICER (B), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN AGRICULTURE & EXTENSION - U.P. '69.

SPECIALIZATIONS : HORTICULTURE.

EXPERIENCE : HORTICULTURE OVERSEER AND HORTICULTURE SUPERINTENDENT, C.B.R.I. AND TECHNICAL OFFICER (A), 1966-80; TECHNICAL OFFICER (B), C.B.R.I. SINCE JUNE, 1985.

PRESENT ACTIVITIES : MAINTENANCE OF LABORATORY AND COLONY GARDENS.

LANGUAGES : HINDI, ENGLISH, PUNJABI.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 27.

5440

SHRI P SIVAJEE; (B. JULY 15, 1945),

SCIENTIST B, CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - ANDHRA PRADESH '65.

SPECIALIZATIONS : PRECAST CONCRETE MANUFACTURING; DESIGN AND FABRICATION OF BUILDING CONSTRUCTION EQUIPMENT; MECHANISED BRICK MAKING (CLAY & SAND LIME)

EXPERIENCE : SUPERVISOR, PRIVATE WORKSHOP, HYDERABAD, 1965-66; S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.B.R.I., 1968-85; (ALSO VISITED CANADA FOR INDUSTRIAL TRAINING IN THE PRODUCTION OF PRECAST AND PRESTRESSED CONCRETE PRODUCTS SPONSORED BY WAITRO, 1978-79); SCIENTIST B, C.B.R.I. SINCE JULY, 1985.

PRESENT ACTIVITIES : EXTENSION OF BUILDING CONSTRUCTION TECHNIQUES.

LANGUAGES : TELUGU, HINDI, ENGLISH.

VISITED : CANADA

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 4, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., TECHNICAL DEVT., PILOT PLANT, CONSTRUCTION, TECHNOLOGY TRANSFER AND EXTENSION (TOTAL 20 YEARS).

5441

SHRI SNEHASHISH CHAKRABARTI; (B. MARCH 7, 1963),

TECHNICAL OFFICER (A), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. MATHEMATICS - RANCHI '84; M.SC. MATHEMATICS - ROORKEE '87; M.PHIL. COMPUTER APPLICATIONS - ROORKEE '88.

SPECIALIZATIONS : NUMERICAL ANALYSIS; OPERATIONS RESEARCH & STATISTICS; VIBRATION OF PLATES; COMPUTER APPLICATIONS.

EXPERIENCE : RESEARCH FELLOW, UNIVERSITY OF ROORKEE 1988-89; TECHNICAL OFFICER (A), C.B.R.I. SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES : APPLIED MATHEMATICS AND COMPUTER APPLICATIONS; VIBRATION OF PLATES & COMPUTER PROGRAMMING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 2, TEACHING - 1, COMPUTER PROCESSING - 5.

5442

SHRI R P KULSHRESTHA; (B. JANUARY 1, 1947),

TECHNICAL OFFICER (A), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

5443

SHRI ASHOK KUMAR; (B. NOVEMBER 27, 1952),

TECHNICAL OFFICER (A), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

5444

SHRI R K MANGLIK; (B. JULY 1, 1945),

TECHNICAL OFFICER (A), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

5445

SHRI ANAND PRAKASH; (B. OCTOBER 22, 1940),

TECHNICAL OFFICER (A), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

5446**SHRI CHANDRA PRAKASH; (B. JULY 2, 1950),**

TECHNICAL OFFICER (A), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - S.V. POLYTECHNIC, BHOPAL '70.**SPECIALIZATIONS** : BUILDING CONSTRUCTION.**EXPERIENCE** : J.T.A. AND S.T.A., C.B.R.I., 1977-89; TECHNICAL OFFICER(A), C.B.R.I. SINCE JULY, 1987.**PRESENT ACTIVITIES** : EXTENSION.**LANGUAGES** : HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : EXTENSION - 7 YEARS.**5447****SHRI DIBYENDU ROY; (B. NOVEMBER 21, 1941),**

TECHNICAL OFFICER (A), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.SC. - CALCUTTA '65.**SPECIALIZATIONS** : SOIL MECHANICS; FOUNDATION ENGINEERING; EXTENSION WORK.**EXPERIENCE** : SOIL TECHNICIAN AND FOREMAN, CEMENTATION CO. LTD., CALCUTTA, 1962-66; S.L.A., J.T.A. AND S.T.A., C.B.R.I., 1966-86; TECHNICAL OFFICER (A), C.B.R.I. SINCE MARCH, 1986.**PRESENT ACTIVITIES** : EXTENSION WORK AND CONSULTANCY IN THE AREA OF BUILDING SCIENCE AND TECHNOLOGY TRANSFER.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 4, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 4.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 10, APP. RES. - 10, CONSULTANCY - 15, TESTING - 12, EXTENSION - 12.**5448****SHRI TILAK RAM SHARMA; (B. JANUARY 15, 1940),**

TECHNICAL OFFICER (A), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : INTERMEDIATE GRADE DRAWING EXAMINATION '56; MACHINIST - I.T.I., MEERUT '62.**SPECIALIZATIONS** : MAINTENANCE OF MECHANICAL SERVICES.**EXPERIENCE** : MACHINIST GRADE II, U.P. GOVT. WORKSHOP, ROORKEE, 1956-60; INSTRUCTOR MACHINIST, GOVT. PILOT PROJECT W/SHOP, DEOBAND, 1962-63; INSTRUCTOR, K.L.PLOYTECHNIC, ROORKEE, 1963-65; SUPERVISOR MECH., C.B.R.I., 1965-81; TECHNICAL OFFICER(A), C.B.R.I. SINCE OCTOBER, 1981.**PRESENT ACTIVITIES** : SUPERVISION, MAINTENANCE AND TECHNICAL SERVICES.**LANGUAGES** : HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : TECHNICAL DEV. - 20.**5449****SHRI AJAY SINGH; (B. FEBRUARY 26, 1953),**

TECHNICAL OFFICER (A), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

5450**SHRI BHUPENDRA SINGH; (B. OCTOBER 16, 1964),**

TECHNICAL OFFICER (A), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE.

QUALIFICATIONS : B.ARCH. - PUNJAB '87.**SPECIALIZATIONS** : ARCHITECTURE.**EXPERIENCE** : ARCHITECT, B.H.H.C., NEW DELHI, 1987-88; ARCHITECT, PROGRESSIVE ARCHITECT, CHANDIGARH, 1988-89; ARCHITECT, GURDEV GROUP OF ARCHITECTS, CHANDIGARH, 1989; TECHNICAL OFFICER (A), C.B.R.I. ROORKEE SINCE SEPTEMBER, 1989.**PRESENT ACTIVITIES** : CONSULTANCY, TECHNOLOGY TRANSFER; EDITING.**LANGUAGES** : PUNJABI, HINDI, ENGLISH.**5451****SHRISK SRIVASTAVA; (B. DECEMBER 27, 1951),**

TECHNICAL OFFICER (A), CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE

Central Road Research Institute, New Delhi

5452

DR D V SINGH; (B. DECEMBER 11, 1934),

DIRECTOR, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - ROORKEE '56; B.E. CIVIL ENGINEERING - ROORKEE '57; M.S. MECHANICAL ENGINEERING - UNIVERSITY OF WISCONSIN, U S A '62; PH.D. MECHANICAL ENGINEERING - UNIVERSITY OF WISCONSIN, U S A '64.**SPECIALIZATIONS** : VEHICLE DYNAMICS; TYRE MECHANICS; DYNAMICS OF MECHANICAL SYSTEMS; TRIBOLOGY; HIGHWAY ENGINEERING.**EXPERIENCE** : LECTURER, READER AND PROFESSOR, UNIVERSITY OF ROORKEE, 1958-90; (ALSO ASSOCIATE PROFESSOR, NORTH CAROLINA A & T UNIVERSITY, 1969 AND PROFESSOR, MILITARY TECHNICAL COLLEGE, BAGHDAD, 1977-78); DIRECTOR, C.R.R.I. SINCE AUGUST, 1990.**PRESENT ACTIVITIES** : RESEARCH ON ROADS, TRAFFIC AND TRANSPORTATION; R & D MANAGEMENT.**LANGUAGES** : HINDI, ENGLISH.**VISITED** : U S A, THE NETHERLANDS, IRAQ, W. GERMANY, U.K., JAPAN.**PUBLICATIONS & PATENTS** : RES. PAPERS - 145, SCIENTIFIC BOOKS - 1, ARTICLES - 4.**AWARDS & DISTINCTIONS** : KHOSLA RESEARCH AWARDS, UNIVERSITY OF ROORKEE, 1970, 1971, 1979, 1987, 1990; INSTITUTION OF ENGINEERS AWARDS, (INDIA), 1973, 1974-75, 1979-80, 1982; IMDA SILVER JUBILEE AWARD, I M D A, 1981; S S BHATNAGAR PRIZE FOR ENGINEERING SCIENCES, CSIR, 1978; FELLOW, INSTITUTION OF ENGINEERS (INDIA); FELLOW, ACADEMY OF SCIENCES; FELLOW, NATIONAL SCIENCE ACADEMY; FELLOW, NATIONAL ACADEMY OF ENGINEERING; FELLOW, NATIONAL ACADEMY OF SCIENCES.**PROFESSIONAL EXPERIENCE(IN YEARS)** : TEACHING - 32, EDITING - 5, APPLIED RESEARCH - 35, DESIGN - 15, COMPUTER PROCESSING - 10, CONSULTANCY - 18, R & D MANAGEMENT - 4, ADMINISTRATION - 7.

5453

SHRI Y R PHULL; (B. SEPTEMBER 16, 1936),

SCIENTIST F, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.A. (HONS.) - PANJAB '54; B.SC. ENGG.(HONS.) CIVIL - PANJAB '57; M.SC. (ENGG.) HIGHWAY ENGINEERING - PANJAB '58.**SPECIALIZATIONS** : HIGHWAY AND AIRFIELD PAVEMENT DESIGN; PLANNING AND ANALYSIS OF TEST TRACKS; RIGID AND SEMI-RIGID PAVEMENT EVALUATION; PRESTRESSED CONCRETE PAVEMENTS AND OTHER SPECIAL PAVEMENT SYSTEM.**EXPERIENCE** : S.S.O.II/SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, C.R.R.I., 1958-85; (ALSO ADVANCED TRAINING IN PRESTRESSED CONCRETE, FRANCE, 1962-63); SCIENTIST F, C.R.R.I. SINCE FEBRUARY, 1985.**PRESENT ACTIVITIES** : R & D AND RESEARCH MANAGEMENT IN RIGID AND SEMI-RIGID PAVEMENTS AND MATERIALS TECHNOLOGY; STANDARDISATION.**LANGUAGES** : PUNJABI, HINDI, URDU, ENGLISH, FRENCH.**VISITED** : FRANCE.**PUBLICATIONS & PATENTS** : RES. PAPERS - 33, TECH. REPORTS - 40, SCIENTIFIC BOOK - 1.**AWARDS & DISTINCTIONS** : INDIAN ROAD CONGRESS COMMENDATION CERTIFICATE, 1976.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 25, CONSULTANCY - 12, R & D MGMT. - 2, CONSTN. - 1, QLTY. CONTROL - 1, STANDARDISATION - 10.

5454

SHRI P JANGANNATHA RAO; (B. NOVEMBER 7, 1936),

SCIENTIST F, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.TECH.(HONS.) CIVIL ENGINEERING - I.I.T., KHARAGPUR '57; M.TECH. SOIL MECHANICS AND FOUNDATION ENGINEERING - I.I.T., KHARAGPUR '59.**SPECIALIZATIONS** : GEOTECHNICAL ENGINEERING; HIGHWAY ENGINEERING.**EXPERIENCE** : SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, C.R.R.I., 1959-86; (ALSO TRAINING IN FOUNDATION ENGINEERING, W. GERMANY, 1964-65 AND HIGHER STUDIES IN GEOTECHNICAL ENGINEERING, CANADA, 1970-75); SCIENTIST F, C.R.R.I. SINCE APRIL, 1986.**PRESENT ACTIVITIES** : R & D, DESIGN AND CONSULTANCY IN GEOTECHNICAL ENGINEERING ; LANDSLIDE, HILGAHAR AND AND HIGHWAY ENGG; PRESENTLY SECRETARY OF RES. COUNCIL OF CRRI; MEMBER SECRETARY, GEOTECHNICAL ENGG. COMMITTEE OF IRC.**LANGUAGES** : TELUGU, HINDI, ENGLISH, GERMAN.**VISITED** : W. GERMANY, CANADA, IRAQ.**PUBLICATIONS & PATENTS** : RES. PAPERS - 50, TECH. REPORTS - 150.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 8, DESIGN AND CONSULTANCY - 10, R & D MGMT. - 10, QUALITY CONTROL - 2, TEACHING - 2, TECHNOLOGY TRANSFER - 2, EXTN. - 1.

5455

SHRI P K DHAWAN; (B. FEBRUARY 28, 1937),

SCIENTIST EII, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.SC. PHYSICS - DELHI '60.**SPECIALIZATIONS** : SOIL PHYSICS AND SOIL STABILISATION; RURAL ROADS.**EXPERIENCE** : S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.R.R.I., 1961-88; SCIENTIST EII, C.R.R.I. SINCE SEPTEMBER, 1988.**PRESENT ACTIVITIES** : R & D.**LANGUAGES** : HINDI, URDU, PUNJABI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 29, TECH. REPORTS - 23.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 30.

5456

SHRI RUPINDER GUPTA; (B. APRIL 8, 1946),
SCIENTIST EII, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - PUNJABI '66; M.S. MECHANICAL ENGG. - WICHATA STATE UNIVERSITY, U S A '71.

SPECIALIZATIONS : DESIGN AND FABRICATION.

EXPERIENCE : SR. INSTRUCTOR, C.S.I.O., CHANDIGARH, 1971-82; SCIENTIST EI, R.R.L., JAMMU, 1982-88; SCIENTIST EII, C.R.R.I. SINCE JULY, 1988.

PRESENT ACTIVITIES : R & D, DESIGN AND FABRICATION.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

VISITED : IRAQ.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN DEVELOPMENT & FABRICATION - 8, TRAINING & TEACHING - 14.

5457

SHRI P K JAIN; (B. JULY 20, 1946),

SCIENTIST EII, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '64; B.E. CIVIL - ROORKEE '68; P.G. DIPLOMA IN TOWN AND COUNTRY PLANNING-SCHOOL OF PLANNING AND ARCHITECTURE DELHI '70; CERTIFICATE IN COMPUTER PROGRAMMING - I.I.T., DELHI '70.

SPECIALIZATIONS : TRAFFIC AND TRANSPORTATION ENGINEERING; TOWN AND COUNTRY PLANNING.

EXPERIENCE : DEPUTY ENGINEER, BARODA MUNICIPAL CORPORATION, 1970-72; SCIENTIST B, SCIENTIST C AND SCIENTIST EI C.R.R.I., 1972-89; (ALSO TRAFFIC AND TRANSPORTATION ENGINEER (R.U.C.S.), C.R.R.I., 1977-81); SCIENTIST EII, C.R.R.I. SINCE MAY, 1989.

PRESENT ACTIVITIES : RESEARCH IN TRAFFIC AND TRANSPORTATION PLANNING / ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

VISITED : HUNGARY.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 38, TECH. PAPERS - 16.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 18, APP. RES. - 18, DESIGN - 15, CONSULTANCY - 18, CONSTRUCTION - 2, TEACHING - 18.

5458

SHRI A V S R MURTY; (B. SEPTEMBER 11, 1941),
SCIENTIST EII, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - ANDHRA '60; B.SC.(ENGG) CIVIL - JIWAJI '64; M.E. SOIL MECHANICS & FOUNDATION ENGINEERING - ROORKEE '67.

SPECIALIZATIONS : SOIL MECHANICS AND FOUNDATION ENGINEERING; INSTRUMENTATION IN FOUNDATION ENGINEERING, SOIL STABILIZATION & RURAL ROAD TECHNOLOGY.

EXPERIENCE : S.R.F., UNIVERSITY OF ROORKEE, 1968-69; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.R.R.I., 1969-87; SCIENTIST EII, C.R.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : APPLIED RESEARCH AND CONSULTANCY.

LANGUAGES : TELUGU, HINDI, ENGLISH.

VISITED : U.K., U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 34, TECH. REPORTS - 45, ARTICLES - 14, PATENTS FILED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21, CONSULTANCY, TESTING, QUALITY CONTROL AND MAINTENANCE - 21.

5459

SHRI PRAMOD KUMAR NANDA; (B. JUNE 14, 1947),

SCIENTIST EII, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.TECH. (HONS) CIVIL ENGG. - I.I.T. KHARAGPUR '68; M.TECH. SOIL MECHANICS & FOUNDATION ENGG. - I.I.T. DELHI '71.

SPECIALIZATIONS : PAVEMENT EVALUATION AND MATERIALS CHARACTERISATION.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.R.R.I., 1969-87; (ALSO PRINCIPAL CIVIL ENGINEER AND ASSTT. CHIEF CIVIL ENGINEER, FEDERAL MINISTRY OF WORKS, NIGERIA, 1980-85, AND ADVANCED TRAINING ON DYNAMIC DEFLECTION DEVICE, U S A, 1986); SCIENTIST EII, C.R.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : R & D IN THE FIELD OF HIGHWAY ENGINEERING.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

VISITED : NIGERIA, U S A

PUBLICATIONS & PATENTS : RES. PAPER - 26, CONSULTANCY & TECH. REPORTS - 32, MANUALS AND STANDARDS - 2, MISC. REPORTS ON FUNCTIONAL EVALUATION ON ROADS - 9, CALIBRATION OF AUTOMATIC ROAD UNEVENNESS RECORDER - 62.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 14, APP. RES. - 14, QUALITY CONTROL - 4.

5460

SHRI M V BHASKARA RAO; (B. SEPTEMBER 22, 1944),

SCIENTIST EII, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - ANDHRA '63; B.TECH. (HONS.) CIVIL ENGINEERING - I.I.T., KHARAGPUR '66; M.TECH. STRUCTURAL ENGINEERING - I.I.T., KHARAGPUR '68; M.SC. (ENGG) BRIDGE ENGINEERING - UNIVERSITY OF SURREY, U.K. '81.

SPECIALIZATIONS : BRIDGE ENGINEERING; STRUCTURAL ENGINEERING.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.R.R.I., 1969-87; (ALSO TRAINING IN BRIDGE DESIGN, U.K., 1975 AND 1980-81); SCIENTIST EII, C.R.R.I. SINCE APRIL, 1987.

PRESENT ACTIVITIES : R & D IN BRIDGE ENGINEERING.

LANGUAGES : TELUGU, HINDI, ENGLISH.

VISITED : U.K., FRANCE, LIBYA.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21, CONSULTANCY - 16, R & D MGMT. - 3, TESTING - 20, TEACHING - 20, PLANNING - 1, ADMN. - 5.

5461

SHRI T S REDDY; (B. JULY 1, 1947),

SCIENTIST EII, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL - OSMANIA '68; M.TECH. TRANSPORTATION ENGINEERING - OSMANIA '71; M.SC. TRANSPORT PLANNING AND ENGINEERING - UNIVERSITY OF LEEDS, U.K. '79.

SPECIALIZATIONS : TRANSPORT AND TRAFFIC PLANNING; CIVIL ENGINEERING.

EXPERIENCE : ASSOCIATE LECTURER, R.E.C.W., 1971-72; SCIENTIST B, SCIENTIST C, AND SCIENTIST EI, C.R.R.I., 1972-88; SCIENTIST EII, C.R.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : TEACHING, RESEARCH AND CONSULTANCY.

LANGUAGES : TELUGU, HINDI, ENGLISH.

VISITED : U.K., SRI LANKA, YEMEN ARAB REPUBLIC, U.A.E.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 20, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, CONSULTANCY - 18, TEACHING - 18.

5462

DR S M SARIN; (B. SEPTEMBER 22, 1940),

SCIENTIST EII, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL - JODHPUR '64; M.E. (HONS.) HIGHWAY ENGINEERING - ROORKEE '67; M.SC. (ENGG) TRAFFIC AND TRANSPORTATION ENGINEERING - UNIVERSITY OF BIRMINGHAM, U.K. '71; PH.D. TRANSPORTATION AND ENVIRONMENTAL PLANNING - UNIVERSITY OF BIRMINGHAM, U.K. '75; M.A. PUBLIC ADMINISTRATION - RAJASTHAN '80.

SPECIALIZATIONS : HIGHWAY ENGINEERING; TRAFFIC AND TRANSPORTATION PLANNING; ROAD TRAFFIC SAFETY; ENVIRONMENTAL ASPECTS OF ROADS & ROAD TRAFFIC; PUBLIC ADMINISTRATION.

EXPERIENCE : LECTURER, UNIVERSITY OF ROORKEE, ROORKEE, 1967-68; S.R.F., SCIENTIST B SCIENTIST C AND SCIENTIST EI, C.R.R.I., 1968-86; SCIENTIST EII, C.R.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R&D IN ENVIRONMENT & ROAD TRAFFIC SAFETY.

LANGUAGES : HINDI, URDU, ENGLISH, GERMAN.

VISITED : U.K., LIBYA.

PUBLICATIONS & PATENTS : RES. PAPERS - 62, TECH. REPORTS - 50.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, BASIC RES. - 22, PLANNING - 22.

5463

SHRI S S SEEHRA; (B. JANUARY 3, 1942),

SCIENTIST EII, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - PANJAB '62; B.SC.(ENGG) CIVIL - PANJAB '66; M.SC.(ENGG) CIVIL - PANJAB '69.

SPECIALIZATIONS : HIGHWAY AND AIRFIELD CONCRETE PAVEMENT ENGINEERING; CONCRETE TECHNOLOGY.

EXPERIENCE : ASSISTANT PROFESSOR, PUNJAB ENGINEERING COLLEGE, CHANDIGARH, 1966-72; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.R.R.I., 1972-89; SCIENTIST EI, C.R.R.I. SINCE APRIL, 1989.

PRESENT ACTIVITIES : R & D AND RESEARCH MANAGEMENT IN RIGID AND SEMI-RIGID PAVEMENTS, MATERIALS AND CONCRETE PAVEMENT; DESIGN AND EVALUATION OF HIGHWAY & AIRFIELD PAVEMENTS; TECHNICAL CONSULTANCY AND TRAINING OF HIGHWAY ENGINEERS.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

VISITED : U S A, LIBYA.

PUBLICATIONS & PATENTS : RES. PAPERS - 46, TECH. REPORTS - 32, PATENTS TAKEN - 2.

AWARDS & DISTINCTIONS : SILVER MEDAL FOR BEST PAPER ON HIGHWAY CONCRETE PAVEMENTS, INSTITUTION OF ENGINEERS (INDIA), 1972; FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 18, APP. RES. - 18, DESIGN - 18 R & D MGMT. - 18, CONSTN. - 18, TESTING - 18, QUALITY CONTROL - 18, MAINTENANCE - 12, TEACHING - 6, PLANNING - 12.

5464

SHRI V K SOOD; (B. MARCH 1, 1947),

SCIENTIST EII, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC.(ENGG) CIVIL - PANJAB '69; M.SC. (ENGG.) HIGHWAY ENGINEERING - PANJAB '72.

SPECIALIZATIONS : HIGHWAY ENGINEERING.

EXPERIENCE : LECTURER, PANJAB ENGINEERING COLLEGE, CHANDIGARH, 1970-71; ASSISTANT ENGINEER, IRRIGATION DEPARTMENT, HARYANA, CHANDIGARH, 1971-72; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.R.R.I., 1972-88; (ALSO CIVIL ENGINEER, MINISTRY OF AGRICULTURE AND AGRARIAN REFORMS, IRAQ, 1981-83); SCIENTIST EII, C.R.R.I., SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN HIGHWAY ENGINEERING.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

VISITED : IRAQ, U.K., SWEDAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 25.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9, CONSULTANCY - 6, DESIGN - 3, QUALITY CONTROL - 2, TEACHING - 1.

5465

SHRI I R ARYA; (B. MAY 11, 1939),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '60; M.SC. PHYSICS - AGRA '62.**SPECIALIZATIONS :** BITUMINOUS TECHNOLOGY; DESIGN OF BITUMINOUS SURFACES FOR HIGHWAY AND AIR FIELD PAVEMENTS; BITUMINOUS MATERIALS AND MIXES FOR FLEXIBLE PAVEMENTS.**EXPERIENCE :** TECHNICAL ASSISTANT, I.A.R.I., NEW DELHI, 1962-63; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.R.R.I., 1963-86; SCIENTIST EI, C.R.R.I. SINCE NOVEMBER, 1986.**PRESENT ACTIVITIES :** RESEARCH**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 18, TECH. REPORTS - 22.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 26, CONSULTANCY AND QUALITY CONTROL - 20.

5466

SHRI SUNIL BOSE; (B. JANUARY 11, 1951),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.TECH. (HONS.) CIVIL - I.I.T., KHARAGPUR '74; M.TECH. CIVIL - I.I.T., KHARAGPUR '77.**SPECIALIZATIONS :** HIGHWAY ENGINEERING.**EXPERIENCE :** DESIGN ENGINEER, UNITED BUILDERS, AGRA, 1974-75; ENGINEER TRAINEE, A. DAS PVT. LTD., 1975; ASSISTANT ENGINEER, P.W.D., W. BENGAL, 1977-78; SCIENTIST B AND SCIENTIST C, C.R.R.I., 1978-88; SCIENTIST EI, C.R.R.I. SINCE JUNE, 1988.**PRESENT ACTIVITIES :** RESEARCH AND CONSULTANCY IN FLEXIBLE PAVEMENTS.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 19, TECH. REPORTS - 22, PATENT - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 13, CONSULTANCY - 14, CONSTN. - 13, OPERATION - 13, TESTING - 13, QUALITY CONTROL - 13.

5467

SHRI DEEP CHANDRA; (B. JULY 10, 1940),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.A. - PANJAB '65; M.A. MATHEMATICS - MEERUT '68**SPECIALIZATIONS :** SOIL MECHANICS.**EXPERIENCE :** J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, C.R.R.I., 1958-90; SCIENTIST EI, C.R.R.I. SINCE MARCH, 1990.**PRESENT ACTIVITIES :** RESEARCH; TESTING; CONSULTANCY.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 14, TECH. REPORTS - 26.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 17, CONSULTANCY - 10.

5468

SHRI GULAB CHANDRA; (B. JULY 9, 1936),

SCIENTIST EI, CENTRAL ROAD RESEARCH-INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - LUCKNOW '56; M.SC. STATISTICS - A.M.U. '61; P.S.C. PROFESSIONAL STATISTICS - I.A.R.S. '63; CERTIFICATE IN COMPUTER PROGRAMMING - I.I.T., KANPUR '67.**SPECIALIZATIONS :** STATISTICAL PLANNING, ANALYSIS AND INTERPRETATION OF RESEARCH EXPERIMENTS; TRAFFIC AND TRANSPORTATION PLANNING; COMPUTER PROGRAMMING.**EXPERIENCE :** STATISTICIAN, DIRECTORATE OF AGRICULTURE, U.P., 1964-65; SENIOR INVESTIGATOR AND CHIEF RESEARCH ASSISTANT, R.D.S.O., LUCKNOW, 1965-78; JUNIOR STATISTICIAN, SENIOR STATISTICIAN, SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.R.R.I., 1978-88; SCIENTIST EI, C.R.R.I. SINCE JULY, 1988.**PRESENT ACTIVITIES :** RESEARCH IN TRAFFIC AND TRANSPORTATION PLANNING.**LANGUAGES :** HINDI, URDU, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 26.

5469

DR S GANGOPADHAYAY; (B. NOVEMBER 16, 1955),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL - CALCUTTA '76; M.TECH. CIVIL - I.I.T. KANPUR '79, M.SC. CIVIL - BRUNSWICK, CANADA, '87; PH.D. CIVIL - BRUNSWICK, CANADA, '90.**SPECIALIZATIONS :** TRANSPORTATION SYSTEMS ENGINEERING; SUBJECTIVE FORECASTING TECHNIQUES.**EXPERIENCE :** SCIENTIST B AND SCIENTIST C, C.R.R.I., 1980-89; SCIENTIST EI, SINCE JUNE, 1989.**PRESENT ACTIVITIES :** PLANNING OF ROAD SYSTEMS AND AREA LICENSING SCHEMES.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 2, REPORTS - 3.**AWARDS & DISTINCTIONS :** SECOND PRIZE FOR PAPER ON TECHNOLOGICAL FORECASTING OF RAIL TRANSPORTATION, RAILWAY BOARD, 1979-80.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 5.

5470

SHRI S P GUPTA; (B. APRIL 6, 1946),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

ST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - PANJAB '66; DIPLOMA IN LIBRARY SCIENCE - PANJAB '68; M.A. PUBLIC ADMINISTRATION - PANJAB '79; M.L.I.SC. LIBRARY AND INFORMATION SCIENCE - DELHI '77.

SPECIALIZATIONS : LIBRARY SCIENCE; DOCUMENTATION; INFORMATION SYSTEMS.

EXPERIENCE : LIBRARIAN, GOVERNMENT COLLEGE, GURGAON, 1968-69; J.S.A. AND S.S.A., DESIDOC, DELHI, 1969-80; SCIENTIST B AND SCIENTIST C, C.R.R.I., 1980-85; SCIENTIST EI, C.R.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : DOCUMENTATION AND RESEARCH.

LANGUAGES : HINDI, PUNJABI, SANSKRIT, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 37.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, ADMN. - 15, DOCUMENTATION - 20, LIBRARY AND INFORMATION SERVICE - 20.

5471

DR ASHOK KUMAR; (B. DECEMBER 9, 1953),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL - ROORKEE '74; M.E. CIVIL - ROORKEE '77; M.SC. HIGHWAY ENGINEERING - U K; PH.D. CIVIL ENGINEERING - U.K.

SPECIALIZATIONS : PHOTOGRAMMETRY; LOW COST ROADS; RURAL ROADS.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, C.R.R.I., 1977-88; SCIENTIST EI, SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN HIGHWAY ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 10, DESIGN - 5, CONSULTANCY - 5, R & D MGMT. - 5, QUALITY CONTROL - 5, TECHNO-ECONOMIC SURVEYS - 5, PLANNING - 5, COMPUTER PROCESSING - 8.

5472

SHRI N V R MOHAN; (B. MAY 11, 1947),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - ANDHRA '68; M.E. MACHINE DESIGN - ANDHRA '71; P.G. DIPLOMA IN MANAGEMENT - INDIAN INSTITUTE OF MANAGEMENT, BANGALORE '76.

SPECIALIZATIONS : R & D MANAGEMENT; DESIGN AND DEVELOPMENT OF CEMENT PLANT AND MACHINERY; TECHNOLOGY TRANSFER; HUMAN RESOURCE DEVELOPMENT.

EXPERIENCE : LECTURER AND ASSOCIATE LECTURER, ANDHRA UNIVERSITY, 1970-75; SCIENTIST, N.C.B. (FORMERLY CEMENT RESEARCH INSTITUTE OF INDIA), 1976-91; SCIENTIST EI, C.R.R.I. SINCE JULY, 1991.

PRESENT ACTIVITY : R & D MANAGEMENT.

LANGUAGES : TELUGU, ENGLISH, HINDI, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 6, PATENTS TAKEN - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : 22 YEARS.

5473

SHRI B L PARASHER; (B. DECEMBER 2, 1936),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '58; M.A. ECONOMICS - ROHILKHUND '76; LL.B. - KURUKSHETRA - '83.

SPECIALIZATIONS : TESTING OF ROAD CONSTRUCTION MATERIALS; FLEXIBLE PAVEMENTS; DESIGN OF FLEXIBLE OVERLAYS.

EXPERIENCE : S.L.A. AND J.S.A., C.R.R.I., 1959-66; S.S.A., R.R.L., JORHAT 1966-70; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.R.R.I., 1970-88, SCIENTIST EI, C.R.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH AND CONSULTANCY.

LANGUAGES : HINDI, URDU, ARABIC, ENGLISH.

VISITED : BULGARIA, U K.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 55.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECH. DEV., CONSULTANCY, CONSTN., TESTING, QLTY. CONTROL, MAINTENANCE AND TEACHING - (TOTAL : 32 YEARS).

5474

SHRI ANAND PRAKASH; (B. NOVEMBER 21, 1938),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.A. ECONOMICS - AGRA '64.

SPECIALIZATIONS : TRAFFIC AND TRANSPORTATION PLANNING.

EXPERIENCE : L.D.C., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.R.R.I., 1957-88; SCIENTIST EI, C.R.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : RESEARCH AND CONSULTANCY IN TRAFFIC AND TRANSPORTATION PLANNING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 18.

AWARDS & DISTINCTIONS : PRESIDENT OF INDIA PRIZE FOR A PAPER ON 'RAPID TRANSIT SYSTEM FOR DELHI', INSTITUTION OF ENGINEERS (INDIA), 1974.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., CONSULTANCY, TECHNO-ECONOMIC SURVEYS - (TOTAL : 25 YEARS).

5475

SHRI A N RAMALINGAIAH; (B. OCTOBER 8, 1949),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '73; M.TECH. TRAFFIC & TRANSPORTATION ENGINEERING - I.I.T., MADRAS '75.

SPECIALIZATIONS : TRANSPORTATION SYSTEMS ANALYSIS; TRANSPORTATION PLANNING AND COMPUTER APPLICATIONS; INSTRUMENTATION TECHNIQUES IN DATA COLLECTION.

EXPERIENCE : S.R.A., I.I.T., KANPUR, 1977-78; TRANSPORTATION ENGINEER, DALAL CONSULTANTS, BOMBAY, 1978-79; SCIENTIST EI, C.R.R.I. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : TRAFFIC AND TRANSPORTATION ENGINEERING.

LANGUAGES : KANNADA, TELUGU, TAMIL, HINDI, ENGLISH.

VISITED : SWEDEN.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 4, DESIGN - 2, CONSULTANCY - 4, TEACHING - 1, PLANNING - 1, COMPUTER PROCESSING - 8.

5476

DR P S K MOHAN RAO; (B. DECEMBER 15, 1940),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - ANDHRA '60; M.SC. PHYSICS - ANDHRA '63; PH.D. PHYSICS - ANDHRA '68.

SPECIALIZATIONS : MICROWAVE TECHNOLOGY; ELECTRONICS; INSTRUMENTATION; NONDESTRUCTIVE TESTING.

EXPERIENCE : DEMONSTRATOR, S.K.B.R. COLLEGE, AMALAPURAM, A.P., 1960-62; S.S.A., SCIENTIST A AND SCIENTIST C, C.R.R.I., 1970-76; SCIENTIST B, CEMENT RESEARCH INSTITUTE, NEW DELHI, 1976-78; SCIENTIST B, C.R.R.I., 1978-88; (ALSO TRAINING IN INSTRUMENTATION, U S A 1979 AND 1981); SCIENTIST EI, C.R.R.I. SINCE JUNE, 1988.

PRESENT ACTIVITIES : R & D IN ELECTRONIC INSTRUMENTATION.

LANGUAGES : TELUGU, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 9, ARTICLES - 4, PATENTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APP. RES. - 20, CONSULTANCY - 12, TESTING - 20, QUALITY CONTROL - 20, TEACHING - 4.

5477

DR S B SRIPATHI RAO; (B. JUNE 14, 1944),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - BANGALORE '67; M.SC. STATISTICS - MYSORE '69; PH.D. STATISTICS R.E.C. - WARANGAL '90.

SPECIALIZATIONS : TRAFFIC AND TRANSPORTATION PLANNING; STATISTICS.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C, C.R.R.I., 1970-89; SCIENTIST EI, C.R.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : RESEARCH IN TRAFFIC AND TRANSPORTATION.

LANGUAGES : KANNADA, TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 6.

AWARDS & DISTINCTIONS : MERIT CERTIFICATE FOR A RESEARCH PAPER, INSTITUTION OF ENGINEERS (INDIA), 1972.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, TECHNO-ECONOMIC SURVEYS - 20, COMPUTER PROCESSING

5478

SHRI P K SARKAR; (B. NOVEMBER 17, 1952),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL - CALCUTTA '74; P.G. DIPLOMA IN TOWN AND COUNTRY PLANNING - SCHOOL OF PLANNING & ARCHITECTURE, NEW DELHI '77; M.SC. TRANSPORT ENGINEERING - NEWCASTLE-UPON-TYNE, U.K. '82.

SPECIALIZATIONS : TRAFFIC ENGINEERING; URBAN TRANSPORTATION PLANNING; TOWN AND COUNTRY PLANNING.

EXPERIENCE : RESEARCH ASSOCIATE, SCHOOL OF PLANNING & ARCHITECTURE, NEW DELHI, 1977-78; SCIENTIST B AND SCIENTIST C, C.R.R.I., 1978-88; SCIENTIST EI, C.R.R.I. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : RESEARCH AND CONSULTANCY; VISITING FACULTY MEMBER, SCHOOL OF PLANNING & ARCHITECTURE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 20, ARTICLES - 4.

AWARDS & DISTINCTIONS : MEMBER, INSTITUTE OF HIGHWAY ENGINEERS, U K, 1982.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSULTANCY - 13, TEACHING - 12, R&D - 13.

5479

SHRI V P SHARMA; (B. OCTOBER 23, 1954),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC.(ENGG) CIVIL - PANJAB '76; M.SC. IN TRANSPORT ENGG & OPERATION - U.K.; P.G. DIPLOMA IN TOWN & COUNTRY PLANNING - SCHOOL OF PLANNING AND ARCHITECTURE, DELHI '78.

SPECIALIZATIONS : TOWN PLANNING; TRAFFIC AND TRANSPORTATION PLANNING; HIGHWAY ENGINEERING.

EXPERIENCE : TRANSPORTATION ENGINEER, CONSULTING ENGINEERING SERVICES PVT. LTD., NEW DELHI, 1978; RESEARCH ASSOCIATE, SCHOOL OF PLANNING & ARCHITECTURE, NEW DELHI, 1978-80; TRAFFIC ENGINEER, SCIENTIST B AND SCIENTIST C, C.R.R.I. 1980-90; SCIENTIST EI, C.R.R.I. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : PAVEMENT EVALUATION STUDIES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, TEACHING - 2.

5480

SHRI B L SURI; (B. OCTOBER 30, 1939),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - PANJAB '58; M.SC. MATHEMATICS - AGRA '62.

SPECIALIZATIONS : TRAFFIC AND TRANSPORTATION PLANNING.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.R.R.I., 1959-87; SCIENTIST EI, C.R.R.I. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : RESEARCH AND CONSULTANCY IN TRAFFIC AND TRANSPORTATION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 19, TECH. REPORTS - 24.

AWARDS & DISTINCTIONS : PRESIDENT OF INDIA PRIZE FOR A RESEARCH PAPER, THE INSTITUTION OF ENGINEERS(INDIA), 1973-74.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21, PLANNING - 11.

5481

SHRI Y SURYANARAYANA; (B. MARCH 18, 1939),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - ANDHRA '57; M.SC. MATHEMATICAL STATISTICS - KARNATAK '59; P.S.C. AGRICULTURAL STATISTICS - I.A.R.S., NEW DELHI, '62.

SPECIALIZATIONS : STATISTICS; TRANSPORTATION PLANNING; COMPUTER PROGRAMMING.

EXPERIENCE : STATISTICAL INVESTIGATOR, C.C.I.E., MINISTRY OF COMMERCE & INDUSTRY, NEW DELHI, 1962-63; S.S.A., J.S.O., SCIENTIST B AND SCIENTIST C, C.R.R.I., 1963-84; (ALSO TRAINING IN ANALYSIS OF TEST TRACK DATA, U S A, 1971); SCIENTIST EI, C.R.R.I. SINCE OCTOBER, 1984.

PRESENT ACTIVITIES : R & D IN TRAFFIC AND TRANSPORTATION.

LANGUAGES : TELUGU, HINDI, ENGLISH, GERMAN.

VISITED : U S A, POLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 12.

AWARDS & DISTINCTIONS : BEST PAPER AWARD, INSTITUTION OF ENGINEERS (INDIA), 1974; COMMENDATION CER-

TIFICATE FOR A RESEARCH PAPER, INDIAN ROADS CONGRESS, 1987.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., CONSULTANCY, TEACHING, TECHNO-ECONOMIC SURVEYS, PLANNING AND COMPUTER PROCESSING - (TOTAL: 27 YEARS).

5482

SHRI D S TOLIA; (B. OCTOBER 5, 1938),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - ALLAHABAD '58; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '72; M.SC.(ENGG.) GEOTECHNICAL ENGINEERING - UNIVERSITY OF NEWCASTLE-UPON-TYNE, U.K. '76.

SPECIALIZATIONS : SOIL MECHANICS AND FOUNDATION ENGINEERING; DESIGN OF ROAD PAVEMENTS.

EXPERIENCE : SCIENTIFIC ASSISTANT, U.P. IRRIGATION DEPARTMENT, 1958-65; J.S.A., C.B.R.I., 1965-71; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.R.R.I. 1971-88; SCIENTIST EI, C.R.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH IN SOIL MECHANICS AND FOUNDATION ENGINEERING; DESIGN OF ROAD PAVEMENTS; CONSULTANCY; FOUNDATION DESIGN OF BUILDINGS, ROADS AND HARBOURS; LANDSLIDE INVESTIGATIONS.

LANGUAGES : HINDI, ENGLISH, FRENCH.

VISITED : U.K., ALGERIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 31.

AWARDS & DISTINCTIONS : FIRST PRIZE FOR A RESEARCH PAPER, INSTITUTION OF ENGINEERS (INDIA), 1971.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, CONSULTANCY - 12, TESTING 10.

5483

SHRI S R VIJAYARAGHAVAN; (B. MAY 26, 1937),

SCIENTIST EI, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - MYSORE '58; M.SC. PHYSICS - MYSORE '60; ADVANCED COURSE IN PRECAST CONCRETE - S.E.R.C., MADRAS '82; CERTIFICATE IN PHOTOMECHANICS - DELHI '75; ADVANCED COURSE IN PRECAST CONCRETE, S.E.R.C., MADRAS '82.

SPECIALIZATIONS : INSTRUMENTATION; RIGID PAVEMENTS, PAVEMENT PERFORMANCE AND MANAGEMENT.

EXPERIENCE : LECTURER, DIRECTORATE OF COLLEGIATE EDUCATION, 1960-61; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.R.R.I., 1961-86; SCIENTIST EI, C.R.R.I. SINCE NOVEMBER, 1986.

PRESENT ACTIVITIES : R & D; QUALITY CONTROL; INSTRUMENTATION; CONSTRUCTION; CONSULTANCY; TEACHING.

LANGUAGES : TAMIL, HINDI, KANNADA, ENGLISH.

VISITED : CZECHOSLOVAKIA, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 25, ARTICLES - 2, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 1

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, DESIGN - 3, CONSULTANCY - 5, CONSTN. - 3, TESTING - 5, QUALITY CONTROL - 3, MAINTENANCE - 2, TEACHING - 3, SURVEY OF NATURAL RESOURCES - 2.

5484

SHRI M R ARORA; (B. NOVEMBER 3, 1943),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - PUNJAB '63; A.M.I.E. - INSTITUTION OF ENGINEERS (INDIA) '75.

SPECIALIZATIONS : PAVEMENT EVALUATION & TESTING OF MATERIALS PERTINENT TO ROADS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST B, C.R.R.I., 1964-86; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : PAVEMENT PERFORMANCE STUDY.

LANGUAGES : HINDI, PUNJABI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPER - 7, TECH. REPORT - 24.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 26.

5485

SHRI JAI BHAGWAN; (B. JULY 5, 1955),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - MEERUT '74; M.SC. PHYSICS - MEERUT '76.

SPECIALIZATIONS : NUCLEAR PHYSICS; SOIL MECHANICS; STRUCTURE OF MATTERS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST C, C.R.R.I., 1978-89; SCIENTIST C, C.R.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : APPLIED RESEARCH AND CONSULTANCY IN GEOTECHNICAL ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 18, PATENTS FILED - 1.

AWARDS & DISTINCTIONS : CERTIFICATE OF MERIT AWARD, FOR PAPER PUBLISHED IN 5TH ISRM CONGRESS, AUSTRALIA, 1983-84.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. & CONSULTANCY - 12.

5486

SHRI N L BHATIA; (B. AUGUST 4, 1938),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.A. MATHEMATICS-MEERUT '67

SPECIALIZATIONS : URBAN TRANSPORT PLANNING.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1964-87; SCIENTIST C, C.R.R.I. SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : STUDIES IN URBAN TRANSPORT PLANNING.

LANGUAGES : HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 16.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, CONSULTANCY - 4.

5487

SHRI O P BHATNAGAR; (B. JANUARY 1, 1936),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '56.

SPECIALIZATIONS : SOIL STABILISATION; INVESTIGATION AND EVALUATION OF ROADS.

EXPERIENCE : LABORATORY ASSISTANT, IRRIGATION DEPARTMENT, U.P., 1956-57; EXPERIMENTAL ASSISTANT, P.W.D. RESEARCH INSTITUTE, LUCKNOW, 1957-59; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1959-86; SCIENTIST C, C.R.R.I. SINCE JUNE, 1986.

PRESENT ACTIVITIES : RESEARCH IN SOIL STABILIZATION; TESTING OF SOIL AND OTHER ROAD MATERIALS; CONSTRUCTION; QUALITY CONTROL.

LANGUAGES : HINDI, ENGLISH.

VISITED : IRAQ.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, PILOT PLANT - 14, CONSULTANCY - 7, CONSTN. - 14, TESTING - 6, QUALITY CONTROL - 16, SURVEY OF NATURAL RESOURCES - 2, TECHNO-ECONOMIC SURVEYS - 1.

5488

DR S BINDUMADHAVA; (B. MAY 4, 1961),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - BANGALORE '82; M.SC.(ENGG) CIVIL ENGINEERING - I.I.Sc., BANGALORE '85; PH.D. CIVIL ENGINEERING - I.I.Sc., BANGALORE '91.

SPECIALIZATIONS : GROUND IMPROVEMENT; SOIL MECHANICS AND FOUNDATION ENGINEERING; CIVIL ENGINEERING.

EXPERIENCE : SCIENTIFIC ASSTT. AND PROJECT ASSOCIATE, IISc, BANGALORE, 1984-91; SCIENTIST C, C.R.R.I. SINCE JULY, 1991.

PRESENT ACTIVITY : R & D IN APPLIED RESEARCH.

LANGUAGES : KANNADA, ENGLISH, SANSKRIT, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 2.

AWARDS & DISTINCTIONS : DISTINCTION IN ENGINEERING & TECHNOLOGY, CENTRAL BOARD OF IRRIGATION & POWER, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 7, APPLIED RESEARCH - 7, COMPUTER PROCESSING - 5, CONSULTANCY - 3.

5489

SHRI KHEM CHAND; (B. APRIL 12, 1939),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.A. - PANJAB '61; M.A. ECONOMICS - AGRA '65.**SPECIALIZATIONS :** URBAN TRANSPORTATION PLANNING.**EXPERIENCE :** J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1967-86; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1986.**PRESENT ACTIVITIES :** RESEARCH AND CONSULTANCY IN TRAFFIC AND TRANSPORTATION IN METROPOLITAN CITIES.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 15, TECH. REPORTS - 22.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 23, CONSULTANCY - 23.

5490

SHRI JAGDISH CHANDRA; (B. MAY 12, 1943),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '65; M.A. GEOGRAPHY-MEERUT '67.**SPECIALIZATIONS :** PHOTOGRAMMETRY; REMOTE SENSING; CARTOGRAPHY; PHOTO-INTERPRETATION; AIR SURVEYING AND MAPPING; SOIL TESTING.**EXPERIENCE :** DRAFTSMAN, SURVEY OF INDIA, DEHRADUN, 1962-69; LIBRARIAN, INDIAN PHOTO-INTERPRETATION INSTITUTE, DEHRADUN, 1969; CARTOGRAPHER, S.T.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1969-90; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1990.**PRESENT ACTIVITIES :** R & D IN SOIL STABILIZATION, PHOTOGRAMMETRY, PHOTO-INTERPRETATION AND REMOTE SENSING.**LANGUAGES :** HINDI, ENGLISH, RUSSIAN.**PUBLICATIONS & PATENTS :** RES. PAPERS - 5, TECH. REPORTS - 2.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 4, TESTING - 2, TEACHING - 1, SURVEY OF NATURAL RESOURCES - 6, TECHNO-ECONOMIC SURVEYS - 2, COMPUTER PROCESSING - 1, PHOTOGRAMMETRY AND PHOTO-INTERPRETATION - 15.

5491

MRS PAVAN CHHABRA; (B. MAY 2, 1957),

DOCUMENTATION OFFICER (C), CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - DELHI '76; M.SC. PHYSICS - DELHI '78; B.LIB.SC. - DELHI '79; M.LIB.SC. LIBRARY & INFORMATION SCIENCE - DELHI '80.**SPECIALIZATIONS :** LIBRARY SCIENCE; DOCUMENTATION AND INFORMATION SCIENCE.**EXPERIENCE :** J.T.A., I.N.S.A., NEW DELHI, 1980-81; J.D.A., J.S.A. AND DOCUMENTATION OFFICER (B), C.R.R.I., 1981-85; DOCUMENTATION OFFICER (C), C.R.R.I. SINCE OCTOBER, 1987.**PRESENT ACTIVITIES :** DOCUMENTATION AND INFORMATION SCIENCE.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 5.**PROFESSIONAL EXPERIENCE(IN YEARS) :** DOCUMENTATION - 10, LIBRARY AND INFORMATION SERVICES - 10.

5492

SHRI DEEN DAYAL; (B. JANUARY 15, 1948),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - KANPUR '68; M.SC. MATHEMATICS - AGRA '70.**SPECIALIZATIONS :** TRAFFIC TRANSPORTATION AND ROAD SAFETY.**EXPERIENCE :** STATISTICAL ASSTT., ECO. & STAT. DTE, 1971; STATISTICAL ASSTT., DGAFMS, 1971-72; TECH. ASSTT., MIN. OF DEFENCE, 1972-78; S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1978-89; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1989.**PRESENT ACTIVITIES :** ENVIRONMENTAL POLLUTION.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 2, TECH. REPORT - 3.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 16.

5493

DR(MRS) SAROJ GUPTA; (B. JANUARY 17, 1949),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - JIWAJI '68; M.SC. CHEMISTRY - JIWAJI '70; PH.D. CHEMISTRY - JIWAJI '74.**SPECIALIZATIONS :** ORGANIC CHEMISTRY; ALTERNATE BINDERS TO CEMENT; CEMENT AND CONCRETE TECHNOLOGY.**EXPERIENCE :** SCIENTIST L1, CEMENT RESEARCH INSTITUTE, BALLABHGARH, 1976-78; LECTURER, GOVT. COLLEGE, FARIDABAD, 1979-80; S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1980-87; (ALSO INSTRUMENT TRAINING, U.K., 1986); SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1987.**PRESENT ACTIVITIES :** APPLIED RESEARCH AND CONSULTANCY IN CEMENT & CONCRETE TECHNOLOGY, ALTERNATE BINDERS AND SPECIAL CEMENTS.**LANGUAGES :** HINDI, ENGLISH.**VISITED :** U.K.**PUBLICATIONS & PATENTS :** RES. PAPERS - 5, TECH. REPORTS - 11, PATENT FIELD - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APPLIED RESEARCH - 12, CONSULTANCY - 1, TESTING - 12, TEACHING - 1.

5494

DR PRAMOD KUMAR JAIN; (B. JANUARY 7, 1954),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - MEERUT '73; M.SC. INORGANIC CHEMISTRY - MEERUT '75; PH.D. COORDINATION CHEMISTRY - MEERUT '80.

SPECIALIZATIONS : INORGANIC CHEMISTRY; CHEMISTRY OF BITUMINOUS MATERIALS; HIGHWAY ENGINEERING; ANALYTICAL CHEMISTRY; RHEOLOGY OF BITUMINOUS BINDERS, MODIFIED BINDERS AND MIXES.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1978-88; SCIENTIST C, C.R.R.I. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : R & D, CONSULTANCY AND TEACHING.

LANGUAGES : HINDI, ENGLISH, GERMAN.

VISITED : U.K., FRANCE, GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 45, TECH. REPORTS - 19

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 10, CONSULTANCY - 10, TEACHING - 1.

5495

SHRI V K JAITLEY; (B. NOVEMBER 4, 1936),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '57; M.SC. CHEMISTRY - AGRA '60.

SPECIALIZATIONS : BITUMINOUS MATERIALS; ROAD AGGREGATES; FLEXIBLE PAVEMENT DESIGN; EVALUATION OF ANTI STRIPPING AGENTS.

EXPERIENCE : LECTURER, BARAHSENI INTER COLLEGE, HATHRAS, U.P., 1957-58; LECTURER, S.K.K. INTER COLLEGE, ETAWAH, U.P., 1960; LECTURER, HINDU COLLEGE, SONPAT, HARYANA, 1960-61; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1961-85; SCIENTIST C, C.R.R.I. SINCE NOVEMBER, 1985.

PRESENT ACTIVITIES : RESEARCH AND CONSULTANCY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 30.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, DESIGN - 18, CONSULTANCY - 18, CONSTN. - 4, TESTING - 18, QUALITY CONTROL - 18, TEACHING - 3.

5496

DR P K KANCHAN; (B. JULY 2, 1951),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - SAUGAR '72; M.SC. MATHEMATICS - SAUGAR '74; PH.D. MATHEMATICS - BHOPAL '79.

SPECIALIZATIONS : MATHEMATICAL PROGRAMMING; OPERATIONAL RESEARCH; SYSTEM ANALYSIS.

EXPERIENCE : LECTURER, SATI, VIDISHA, 1974-77; FIELD ASSISTANT, S.S.A. AND SCIENTIST B, C.R.R.I., 1979-87; (ALSO RESEARCH ASSOCIATE, DEPARTMENT OF MATHEMATICS AND STATISTICS, UNIVERSITY OF CALGARY, CANADA, 1981); SCIENTIST C, C.R.R.I. SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : SYSTEMS ANALYSIS.

LANGUAGES : HINDI, ENGLISH.

VISITED : CANADA.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 4, TEACHING - 4.

5497

DR(MRS) SULATA KAYAL; (B. MARCH 1, 1948),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.TECH. STRUCTURAL ENGINEERING - I.I.T., KHARAGPUR '71; PH.D. STRUCTURAL ENGINEERING - I.I.T., DELHI '78.

SPECIALIZATIONS : STRUCTURAL ENGINEERING.

EXPERIENCE : SCIENTIST E3, CEMENT RESEARCH INSTITUTE, 1975-89; SCIENTIST C, C.R.R.I. SINCE MAY, 1989.

PRESENT ACTIVITIES : DESIGN AND RATING OF BRIDGES.

LANGUAGES : HINDI, BENGALI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 12, SCIENTIFIC BOOKS - 1, PATENTS TAKEN - 2, PATENTS FILED - 2, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15.

5498

SHRI P PRASANNA KUMAR; (B. NOVEMBER 25, 1952),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - CALICUT '73; M.SC. PHYSICS - COCHIN '77.

SPECIALIZATIONS : NONDESTRUCTIVE TESTING; INSTRUMENTATION.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1978-89; SCIENTIST C, C.R.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, TESTING - 9, COMPUTER PROCESSING - 9, QUALITY CONTROL - 9.

5499

SHRI SATINDER KUMAR; (B. MARCH 5, 1950),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - MEERUT '70; M.SC. ORGANIC CHEMISTRY - MEERUT '72; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '86.**SPECIALIZATIONS** : CHEMISTRY OF CEMENT; RECYCLING OF CONCRETE PAVEMENT; CEMENT CONCRETE MIX DESIGN; RAPID SETTING MATERIALS FOR REPAIR OF CONCRETE PAVEMENTS.**EXPERIENCE** : J.L.A., C.B.R.I., 1974-80; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1980-84; SCIENTIST C, C.R.R.I. SINCE DECEMBER, 1989.**PRESENT ACTIVITIES** : APPLIED RESEARCH AND CONSULTANCY IN CEMENT CONCRETE.**LANGUAGES** : HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPER - 9, TECH. REPORTS - 16. PATENT - 1, SPONSORED PROJECT - 1.**AWARDS & DISTINCTIONS** : CHARTERED ENGINEER, 1989.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 9, DESIGN - 6, CONSULTANCY - 7, TESTING - 1.

5500

SHRI SATISH KUMAR; (B. FEBRUARY 2, 1944),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.A. - DELHI '66; B.SC. - DELHI '72; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '73.**SPECIALIZATIONS** : GEOTECHNICAL ENGINEERING; HIGHWAY ENGINEERING MATERIALS.**EXPERIENCE** : J.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1963-88; SCIENTIST C, C.R.R.I. SINCE MARCH, 1988.**PRESENT ACTIVITIES** : GEOTECHNICAL ENGINEERING.**LANGUAGES** : HINDI, ENGLISH.**VISITED** : SAUDI ARABIA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 15, TECH. REPORTS - 12, PATENTS TAKEN - 1, PATENTS FILED - 2, PROCESSES DEVELOPED - 4.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 14.

5501

SHRI RAM LAL; (B. APRIL 4, 1935),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '56; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '75; M.E. CIVIL ENGINEERING (HONS) - ROORKEE '85.**SPECIALIZATIONS** : CONCRETE TECHNOLOGY; RIGID AND FLEXIBLE PAVEMENTS.**EXPERIENCE** : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1957-86; (ALSO DEPUTY ENGINEER,

N.B.C.C., LIBYA, 1976-79); SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH AND CONSULTANCY IN ASPHALT CONCRETE TECHNOLOGY AND PAVEMENTS FOR HIGHWAYS & AIRPORTS.**LANGUAGES** : HINDI, URDU, PUNJABI, ENGLISH, ARABIC.**VISITED** : LIBYA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 25, TECH. REPORTS - 17.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 7, APP. RES. - 16, CONSTN. - 6, TESTING - 3, QUALITY CONTROL - 2.

5502

SHRI S K MALHOTRA; (B. MAY 19, 1939),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - DELHI '59; M.SC. MATHEMATICS - DELHI '73; M.T.P. TRANSPORT PLANNING - SCHOOL OF PLANNING & ARCHITECTURE, NEW DELHI '88.**SPECIALIZATIONS** : TRAFFIC FLOW ANALYSIS; TRAFFIC AND TRANSPORTATION PLANNING.**EXPERIENCE** : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1960-86; (ALSO TRAINING IN TRAFFIC FLOW ANALYSIS, I.I.T., KANPUR, 1979-80 AND SHORT-TERM COURSE IN COMPUTER PROGRAMMING, I.I.T., DELHI, 1982); SCIENTIST C, C.R.R.I. SINCE AUGUST, 1986.**PRESENT ACTIVITIES** : TRAFFIC AND TRANSPORTATION PLANNING**LANGUAGES** : PUNJABI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 12, TECH. REPORTS - 15, ARTICLES - 8.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES., CONSULTANCY AND PLANNING (TOTAL 30 YEARS).

5503

DR(MS) RENU MATHUR; (B. DECEMBER 5, 1953),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - RAJASTHAN '73; M.SC. PHYSICS - RAJASTHAN '75; PH.D. CHEMISTRY - RAJASTHAN '87.**SPECIALIZATIONS** : SOIL STABILISATION; INORGANIC CHEMICAL BINDERS.**EXPERIENCE** : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1978-88; SCIENTIST C, C.R.R.I. SINCE AUGUST, 1988.**PRESENT ACTIVITIES** : RESEARCH IN SOIL STABILISATION.**LANGUAGES** : HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 9, TECH. REPORTS - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RESEARCH - 12, APPLIED RESEARCH - 12.

5504

SHRI SUDHIR MATHUR; (B. JULY 4, 1958),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC.(ENGG) CIVIL - B.I.T., RANCHI '80; M.TECH. SOIL MECHANICS & FOUNDATION ENGG. - I.I.T., DELHI '86.**SPECIALIZATIONS :** GEOTECHNICAL ENGINEERING; SOIL STABILISATION AND RURAL ROADS.**EXPERIENCE :** SCIENTIST B, C.R.R.I., 1981-86; SCIENTIST C, C.R.R.I. SINCE DECEMBER, 1986.**PRESENT ACTIVITIES :** R & D IN SOIL STABILISATION AND RURAL ROADS.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 8, TECH. REPORTS - 4, PATENTS - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 6, CONSULTANCY - 4, CONSTRUCTION - 2.

5505

SHRI H S MEHTA; (B. SEPTEMBER 24, 1936),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '58.**SPECIALIZATIONS :** SOIL STABILISATION; INVESTIGATION AND EVALUATION OF ROADS.**EXPERIENCE :** S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1959-86; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1986.**PRESENT ACTIVITIES :** RESEARCH; INVESTIGATION EVALUATION AND TESTING OF ROADS.**LANGUAGES :** PUNJABI, HINDI, ENGLISH.**VISITED :** IRAQ.**PUBLICATIONS & PATENTS :** RES. PAPERS - 18, TECH. REPORTS - 19, PATENTS FILED - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 20, PILOT PLANT - 2, CONSULTANCY - 10, CONSTN. - 3, TESTING - 9, QUALITY CONTROL - 9, TECHNO-ECONOMIC SURVEYS - 1.

5506

DR A K MISHRA; (B. JUNE 20, 1951),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - MEERUT '69; M.SC. CHEMISTRY - JIWAJI '72; PH.D. CHEMISTRY - VIKRAM '75.**SPECIALIZATIONS :** SOIL STABILISATION.**EXPERIENCE :** ASST. AGRICULTURAL RESEARCH OFFICER, DEPTT. OF AGRICULTURE, RAJASTHAN, 1976-77; LECTURER, SDPG COLLEGE, MUZZFERNAGAR, 1977-78; S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1978-88; SCIENTIST C, C.R.R.I. SINCE AUGUST, 1988.**PRESENT ACTIVITIES :** RESEARCH IN SOIL STABILISATION AND ON MAGNESIUM OXYCHLORIDE CEMENT.**LANGUAGES :** HINDI, ENGLISH.**VISITED :** POLLAND.**PUBLICATIONS & PATENTS :** RES. PAPERS - 11, TECH. REPORT - 2.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 3, APP. RES. - 14, TEACHING - 1.

5507

MRS NISHI MITTAL; (B. JULY 19, 1953),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.A. (HONS) ECONOMICS - DELHI '72; M.A. ECONOMICS - DELHI '74.**SPECIALIZATIONS :** TRAFFIC AND TRANSPORTATION ENGINEERING; TRAFFIC AND TRANSPORT ECONOMICS & PLANNING.**EXPERIENCE :** LECTURER, G.D. SALWAN COLLEGE, DELHI, 1974-76; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1976-89; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1989.**PRESENT ACTIVITIES :** RESEARCH IN TRAFFIC & TRANSPORT ECONOMICS AND PLANNING.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 17, TECH. REPORTS - 8.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 14, TEACHING - 2.

5508

DR D MUKHOPADHYAY; (B. JANUARY 1, 1951),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.SC. APPLIED MATHEMATICS - BURDWAN '70; PH.D. APPLIED MATHEMATICS - CALCUTTA '80; CERTIFICATE IN COMPUTER PROGRAMMING - I.S.I., CALCUTTA '75; CERTIFICATE IN COMPUTER PROGRAMMING - NIC., DELHI '85.**SPECIALIZATIONS :** TRAFFIC AND TRANSPORTATION PLANNING; COMPUTER PROGRAMMING; APPLIED MATHEMATICS AND STATISTICS.**EXPERIENCE :** J.S.A., S.S.A. AND SCIENTIST B, C.R.R.I., 1977-88; SCIENTIST C, C.R.R.I. SINCE AUGUST, 1988.**PRESENT ACTIVITIES :** R & D IN HIGHWAY ENGINEERING; TRAFFIC AND TRANSPORTATION PLANNING; MATHEMATICAL MODELLING; CONSULTANCY.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 15, TECH. REPORTS - 6.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 4, APP. RES. - 10, COMPUTER PROCESSING - 12, CONSULTANCY - 10.

5509

SHRI T MURALEEDHARAN; (B. MARCH 22, 1944),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - KERALA '67; M.SC. MATHEMATICS - KERALA '69.

SPECIALIZATIONS : PRECAST CONCRETE BLOCKS PAVING; FIELD INVESTIGATION; CONCRETE MIX DESIGN; PAVEMENT SURFACE CHARACTERISTICS.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST B, C.R.R.I., 1970-86; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R&D WORK ON ICBP. SNOW/ICE RUNWAY, PREPARATION OF MANUAL ON AIRFIELD PAVEMENTS, FIELD INVESTIGATION OF PROBLEM AREAS.

LANGUAGES : MALAYALAM, HINDI, ENGLISH, FRENCH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, REVIEW PAPERS - 8, TECH. PUBLICATIONS - 4, SEMINARS - 2, ARTICLES - 2, TECH. REPORTS - 7.

AWARDS & DISTINCTIONS : COMMENDATION CERTIFICATE FOR THE PAPER "THE NEW PAVEMENT SYSTEMS FOR SANDY TERRAINS IN DESERT AREAS", INDIAN ROAD CONGRESS, 1980.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, CONSTRUCTION - 6, DESIGN - 2, TESTING - 7, QUALITY CONTROL - 7.

5510

SHRI RAJESH NARANG; (B. JANUARY 1, 1960),
SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.SC. OPERATIONAL RESEARCH - DELHI '81; M.PHIL OPERATIONAL RESEARCH - DELHI '83; M.TECH. COMPUTER APPLICATIONS - I.I.T., DELHI '90.

SPECIALIZATIONS : OPERATIONAL RESEARCH; COMPUTER SOFTWARE DEVELOPMENT.

EXPERIENCE : ASSISTANT SYSTEMS ANALYST, SAIL, 1983-86; SYSTEMS ANALYST, NIC, 1986-89; SCIENTIST C, C.R.R.I. SINCE MAY, 1989.

PRESENT ACTIVITIES : LIBRARY INFORMATION SYSTEM DEVELOPMENT IMPARTING TRAINING; DEVELOPMENT OF EXPERT SYSTEM FOR FORECASTING TECHNIQUES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : INFORMATION SYSTEMS - 8.

5511

SHRI S P POKHRIYAL; (B. JANUARY 18, 1954),
SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - DELHI '73; M.SC. STATISTICS - DELHI '75.

SPECIALIZATIONS : MATHEMATICS; STATISTICS; PAVEMENT EVALUATION OF HIGHWAYS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1976-90; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 13, PATENTS FILED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, CONSULTANCY - 3, TESTING - 3

5512

SHRI RAVI PRAKASH; (B. JANUARY 19, 1936),
SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : DIPLOMA IN DRAUGHTSMANSHIP - I.T.I., NEW DELHI '58; CERTIFICATE OF CRAFT INSTRUCTOR IN CIVIL DRAUGHTSMANSHIP - C.T.I., POONA '60.

SPECIALIZATIONS : TRAFFIC AND TRANSPORTATION PLANNING.

EXPERIENCE : JUNIOR DRAUGHTSMAN, S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1959-86; SCIENTIST C, C.R.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : PLANNING AND DESIGNING IN TRAFFIC AND TRANSPORTATION ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

VISITED : LIBYA.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 100.

AWARDS & DISTINCTIONS : BEST PAPER COMMENDATION CERTIFICATE, INDIAN ROAD CONGRESS, 1989-90.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, CONSULTANCY, R & D MGMT. AND TEACHING - (TOTAL : 29 YEARS).

5513

SHRI AGIA RAM; (B. MAY 15, 1937),
SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - U.P. '57.

SPECIALIZATIONS : PERFORMANCE EVALUATION OF BITUMINOUS SURFACING MIXTURES; INVESTIGATION OF FAILURES OF FLEXIBLE PAVEMENTS.

EXPERIENCE : S.O., P.W.D., H.P., 1957-60; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1961-85; SCIENTIST C, C.R.R.I. SINCE AUGUST, 1985.

PRESENT ACTIVITIES : R & D IN HIGHWAYS AND CONSTRUCTION OF AIRFIELDS.

LANGUAGES : PUNJABI, HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 25.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, DESIGN - 2, CONSULTANCY - 8, CONSTN. - 2, TESTING - 2, QUALITY CONTROL - 2, MAINTENANCE - 4.

5514

SHRI P D SATIJA; (B. MAY 15, 1938),
SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - PANJAB '58; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '67.

SPECIALIZATIONS : BRIDGE ENGINEERING.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1960-86; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH, DESIGN AND CONSULTANCY IN BRIDGE ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27, DESIGN - 27, CONSULTANCY - 27, R & D MGMT. - 27, TESTING - 27, TEACHING - 20.

5515

SHRI BRIJ MOHAN SHARMA; (B. FEBRUARY 8, 1957),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

5516

SHRI R N SHARMA; (B. JANUARY 2, 1936),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '56; DIPLOMA IN CIVIL ENGINEERING - ROORKEE '58; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA).

SPECIALIZATIONS : CIVIL ENGINEERING; BRIDGE AND STRUCTURAL ENGINEERING.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1959-86; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN BRIDGE ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 40.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 32, CONSULTANCY - 30, CONSTN. - 3, TESTING - 32, TEACHING - 29.

5517

DR ANIL SINGH; (B. DECEMBER 7, 1955),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. CHEMISTRY - KANPUR '76; M.SC. CHEMISTRY - KANPUR '78; M.PHIL. AIR POLLUTION - J.N.U. '82; PH.D. AIR POLLUTION - J.N.U. '88.

SPECIALIZATIONS : AIR POLLUTION.

EXPERIENCE : SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1991.

PRESENT ACTIVITY : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 14, TESTING - 14, TECHNICAL DEV. - 14.

5518

SHRI G K TIKE; (B. DECEMBER 28, 1948),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - DELHI '68; M.SC. CHEMISTRY - KURUKSHETRA '70.

SPECIALIZATIONS : INSTRUMENTAL CHEMICAL ANALYSIS; PHYSICAL CHEMISTRY; POLYMERS FOR INDUSTRIAL USES; CONCRETE PAVEMENT REHABILITATION METHODS.

EXPERIENCE : SUPERVISOR TRAINEE, DELHI CLOTH & GENERAL MILLS, DELHI, 1971; SUPERVISOR, SWATANTRA BHARAT MILLS, DELHI, 1972; J.S.A. AND S.S.A., R.R.L., JORHAT, 1972-76; S.S.A., P.T.C., BHOPAL, 1976-77; S.S.A. AND SCIENTIST B, C.R.R.I., 1976-86; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : APPLIED RESEARCH IN POLYMERS FOR REHABILITATION AND REPAIRS OF CONCRETE PAVEMENTS.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 17, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, TECH. DEV. - 3, PILOT PLANT - 1, CONSULTANCY - 2, PRODUCTION - 1, TECH. TRANSFER - 1.

5519

SHRI R K VAJPAI; (B. APRIL 7, 1949),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

5520

SHRI P C VERGHESE; (B. JULY 15, 1940),

SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : CERTIFICATE IN CIVIL ENGINEERING - KERALA '61.

SPECIALIZATIONS : PAVEMENT INVESTIGATIONS; CONSTRUCTION OF ROADS AND TEST TRACKS; TESTING OF CONSTRUCTION MATERIALS AND QUALITY CONTROL; ANIMAL DRAWN CARTS.

EXPERIENCE : SUB-OVERSEER, G.R.E.F., 1961-64; J.S.A., S.S.A, SCIENTIST A AND SCIENTIST B, C.R.R.I., 1964-88; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

VISITED : BHUTAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 20, PATENTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APP. RES. - 27, DESIGN - 20, CONSULTANCY - 21, CONSTN. - 20, TESTING - 27, QUALITY CONTROL - 17, MAINTENANCE - 3.

5521

SHRI KULDIP KUMAR VERMA; (B. JUNE 4, 1957),
SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - RANI DURGAWATI '79.

SPECIALIZATIONS : FLUID MECHANICS.

EXPERIENCE : OFFICER'S CAT. 2A, SAE (INDIA) LTD., JABALPUR, 1980-83; SCIENTIST B, SERC, MADRAS, 1983-88; SCIENTIST C, C.R.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : R & D IN PAVEMENT CHARACTERISTICS.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : FABRICATION, ERECTION & TESTING - (TOTAL - 8 YEARS).

5522

SHRI N D VERMANI; (B. OCTOBER 10, 1935),
SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.SC. MATHEMATICS - AGRA '62; CERT. COURSE IN STATISTICS, 1964.

SPECIALIZATIONS : BITUMINOUS MATERIAL OF MIXES DESIGN; FLEXIBLE PAVEMENT DESIGN.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I., 1960-81; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, URDU, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 35.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, CONSULTANCY, CONSTN., TESTING, QUALITY CONTROL, MAINTENANCE - (TOTAL : 28 YEARS).

5523

SHRI G K VIJ; (B. MAY 15, 1947),
SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - PANJAB '66; M.SC. PHYSICS - I.I.T., DELHI '68.

SPECIALIZATIONS : NONDESTRUCTIVE TESTING; INSTRUMENTATION.

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B, 1970-86; SCIENTIST C, C.R.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, TESTING - 20, QUALITY CONTROL - 20.

5524

SHRI O P YADAV; (B. APRIL 8, 1950),
SCIENTIST C, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - PUNJAB '69; M.SC. PHYSICS - MEERUT '71; POST-DIPLOMA, ELECTRONICS & MICRO-WAVE TECH - BOARD OF TECH. EDUCATION, DELHI '75.

SPECIALIZATIONS : CIVIL ENGINEERING.

EXPERIENCE : TEACHER/LECTURER IN DIFFERENT SCHOOLS & COLLEGES IN HARYANA, 1972-73; RESEARCH ASSTT., P.W.D. LABORATORY, GURGAON, 1973-74; S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.R.R.I. 1976-89; SCIENTIST C, C.R.R.I. SINCE MARCH, 1989.

PRESENT ACTIVITIES : R & D, CONSULTANCY AND TESTING.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 17.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 4, CONSULTANCY - 6, TEACHING - 1.

5525

SHRI M S MOHAMED ALI; (B. APRIL 20, 1961),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. (HONS.) CIVIL - MADURAI KAMARAJ; M.E. STRUCTURAL ENGINEERING - ANNA.

SPECIALIZATIONS : STRUCTURAL ENGINEERING.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE JULY, 1987.

PRESENT ACTIVITIES : BRIDGES ENGINEERING.

LANGUAGES : TAMIL, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : TECH. PAPER - 2, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 3.

5526

SHRI T K AMLA; (B. JULY 7, 1957),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.SC. (ORGANIC CHEMISTRY) '79; ASSOCIATESHIP IN INFORMATION SCIENCE - INSDOC, NEW DELHI '89.

SPECIALIZATIONS : CHEMISTRY; INFORMATION SCIENCE; RESEARCH LIASON; PATENTING & TECHNOLOGY TRANSFER.

EXPERIENCE : J.S.A., S.S.A., C.R.R.I., 1982-90; SCIENTIST B SINCE NOVEMBER 1990.

PRESENT ACTIVITIES : INFORMATION DISSEMINATION, DATABASE CREATION, RESEARCH LIASON AND TECHNOLOGY TRANSFER.

LANGUAGES : ENGLISH, HINDI.

PUBLICATIONS & PATENTS : DISSEMINATION - 1, A/V PROGRAMME KITS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : EDITING - 9, TECHNOLOGY TRANSFER - 9, TEACHING - 2.

5527

SHRI D S ANANTH; (B. MAY 26, 1965),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - BANGALORE '88; M.E. HIGHWAY ENGINEERING - BANGALORE '91.

SPECIALIZATIONS : HIGHWAY ENGINEERING.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE AUGUST, 1992.

PRESENT ACTIVITY : RESEARCH.

LANGUAGES : KANNADA, ENGLISH, HINDI.

5528

SHRI K S BHALLA; (B. NOVEMBER 15, 1937),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

5529

SHRI R S BHARDWAJ; (B. MARCH 1, 1958),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - GARHWAL '76; M.SC. INORGANIC CHEMISTRY - GARHWAL '78.

SPECIALIZATIONS : TECHNOLOGY TRANSFER; CHEMISTRY; INFORMATION SCIENCE; RESEARCH LIAISON.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.R.R.I., 1979-91; SCIENTIST B, C.R.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : INFORMATION DISSEMINATION; TECHNICAL EDITING; LIAISON; TECHNOLOGY TRANSFER.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : INFORMATION DISSEMINATION, TECH. EDITING - 9, R&D - 2.

5530

MRS SAVITA BHARDWAJ; (B. MARCH 13, 1947),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - DELHI '67; M.SC. MATHS - DELHI '69.

SPECIALIZATIONS : STATISTICAL ANALYSIS; RIDING QUALITY MEASUREMENTS.

EXPERIENCE : J.S.A. AND SCIENTIST A, C.R.R.I., 1977-85; SCIENTIST B, C.R.R.I. SINCE FEBRUARY, 1985.

PRESENT ACTIVITY : ANALYSIS & EVALUATION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15.

5531

SHRI SURESH CHAND; (B. JULY 20, 1967),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. ENGG. - A.M.U. '88; M.SC. ENGG.(ENVIRONMENTAL) - A.M.U. '90.

SPECIALIZATIONS : CIVIL ENGINEERING; ENVIRONMENTAL ENGINEERING.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE JUNE, 1990.

PRESENT ACTIVITIES : PAVEMENT DESIGN (RIGID PAVEMENTS), COMPUTER APPLICATIONS.

LANGUAGES : HINDI, ENGLISH, URDU.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 1.

5532

SHRI R N DUTTA; (B. JANUARY 8, 1961),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.SC. OPERATIONS RESEARCH - DELHI '83.

SPECIALIZATIONS : OPERATIONS RESEARCH.

EXPERIENCE : RESEARCH ASSISTANT, IIM, AHMEDABAD, 1984-85; JR. EXECUTIVE, NDD BOARD, ANAND, 1985-88; SCIENTIST B, C.R.R.I. SINCE MARCH, 1989.

PRESENT ACTIVITIES : SYSTEM DEVELOPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7.

5533

SHRI BISWANATH GHOSH; (B. APRIL 2, 1949),

TECHNICAL OFFICER (B), CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : I.C.W.A. FINANCIAL MANAGEMENT - I.C.W.A. '80; M.COM. FINANCIAL MANAGEMENT - RAJASTHAN '86.

SPECIALIZATIONS : FINANCIAL MANAGEMENT.

EXPERIENCE : COST ACCOUNTANT AND TECHNICAL OFFICER (A), C.R.R.I. 1982-91; TECHNICAL OFFICER (B), C.R.R.I. SINCE FEBRUARY, 1991.

PRESENT ACTIVITY : FINANCIAL MANAGEMENT; COMPUTER PROGRAMMING.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE : FINANCIAL MGMT - 10.

5534

SHRI P N GOEL; (B. DECEMBER 11, 1936),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.SC. MATHEMATICS - MEERUT '68.

SPECIALIZATIONS : CONCRETE TECHNOLOGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.R.R.I., 1959-83; SCIENTIST B, C.R.R.I. SINCE MARCH, 1985.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH, URDU, PUNJABI.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 29.

5535

SHRI SUNIL KUMAR GUPTA; (B. APRIL 15, 1967),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. ELECTRONICS & COMMUNICATIONS - DELHI '88.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION; COMPUTER PROGRAMMING.

EXPERIENCE : SYSTEMS ENGINEER, AIRINDIA, 1989-90; CUSTOMER SUPPORT ENGINEER, BLUE STAR LTD., NEW DELHI - 1990-91; SCIENTIST B, C.R.R.I. SINCE OCTOBER, 1991.

PRESENT ACTIVITY : R & D.

LANGUAGES : HINDI, ENGLISH, PUNJABI.

VISITED : U.K.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 4, QUALITY CONTROL - 4, PLANNING - 4, MAINTENANCE - 4, TECH. TRANSFER - 4, PRODUCTION - 4, R & D MANAGEMENT - 4.

5536

SHRI U K GURUVITTAL; (B. AUGUST 9, 1962),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

5537

SHRI VASANT G HAVANAGI; (B. APRIL 24, 1964),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - BANGALORE '86; M.E. HIGHWAY & TRAFFIC ENGINEERING - I.I.T., KHARAGPUR '88.

SPECIALIZATIONS : HIGHWAY AND TRAFFIC ENGINEERING.

EXPERIENCE : TRAINEE ENGINEER, ASST. ENGINEER AND ENGINEER, CONSULTING ENGINEERING SERVICES (I) PVT. LTD., NEW DELHI 1989-91; SCIENTIST B, C.R.R.I. SINCE JULY, 1991.

PRESENT ACTIVITY : R&D IN SOIL STABILIZATION AND RURAL ROADS.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 4, APPLIED RESEARCH - 4, DESIGN - 4, TESTING - 4, QUALITY CONTROL - 4, PLANNING - 4, CONSULTANCY - 4

5538

SHRI J K JHIGAN; (B. FEBRUARY 22, 1941),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '63.

SPECIALIZATIONS : INVESTIGATIONS OF PAVEMENT FAILURE; FLEXIBLE AND RIGID PAVEMENTS; ROAD CONSTRUCTION MATERIALS; SURFACE CHARACTERISTICS OF PAVEMENTS; COMPOSITIONAL ASPECTS OF WATER BOUND MOCADAM.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.R.R.I., 1964-85; SCIENTIST B, C.R.R.I. SINCE AUGUST, 1985.

PRESENT ACTIVITIES : RESEARCH AND INVESTIGATIONS ON PAVEMENT FAILURE; TESTING OF ROAD CONSTRUCTION MATERIALS; MATERIAL CHARACTERISATION OF PAVEMENTS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 29.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 25, CONSULTANCY - 25, TESTING - 26.

5539

SHRI PRASHANT JOSHI; (B. JANUARY 1, 1965),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - VIKRAM; M.TECH. CIVIL ENGINEERING - I.I.T., KHARAGPUR '88.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE AUGUST, 1990.

PRESENT ACTIVITIES : R&D.

5540

SHRI B KANAGADURI; (B. JULY 5, 1959),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.A. ECONOMICS - MADRAS '82; M.R.P. REGIONAL PLANNING - I.I.T., KHARAGPUR '85.

SPECIALIZATIONS : URBAN AND REGIONAL TRANSPORTATION PLANNING; SOCIOECONOMIC ANALYSIS AND PLANNING.

EXPERIENCE : S.R.A., I.I.T., KHARAGPUR, 1985-86; SCIENTIST B, C.R.R.I. SINCE JANUARY, 1987.

PRESENT ACTIVITIES : R&D IN RURAL TRANSPORTATION AND RURAL ROADS NETWORK PLANNING.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORT - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BAS. RES. - 1, APP. RES. - 4, CONSULTANCY - 2.

5541

SHRI VINAYAK KATNAWER; (B. MAY 27, 1969),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - DELHI '90.

SPECIALIZATIONS : CIVIL ENGINEERING.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE AUGUST, 1992.

PRESENT ACTIVITY : R & D.

LANGUAGES : HINDI, ENGLISH, PUNJABI.

5542

SHRI B KODANDA; (B. JULY 1, 1964),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - SRI VENKATESWARA '88; M.TECH. TRANSPORTATION SYSTEMS ENGINEERING - IIT, BOMBAY '91.

SPECIALIZATIONS : CIVIL ENGINEERING; TRANSPORTATION SYSTEMS ENGINEERING.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE JUNE, 1991.

PRESENT ACTIVITY : RESEARCH, COMPUTER PROGRAMMING AND FIELD SURVEYS.

LANGUAGES : TELUGU, HINDI, ENGLISH, TAMIL.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 1, COMPUTER PROCESSING - 1, FIELD SURVEYS - 1.

5543

SHRI P V KULKARNI; (B. APRIL 8, 1943),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - KARNATAK '62.

SPECIALIZATIONS : MASS TRANSPORTATION; URBAN TRAVEL STUDIES.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.R.R.I., 1963-85; SCIENTIST B, C.R.R.I. SINCE AUGUST, 1985.

PRESENT ACTIVITIES : COLLECTION, COMPILATION AND ANALYSIS OF DATA ON TRAFFIC; PREPARATION OF REPORTS ON TRAFFIC TRANSPORTATION IN METROPOLITAN CITIES IN INDIA.

LANGUAGES : KANNADA, HINDI, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, REPORTS - 4, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, CONSULTANCY - 24, TECHNO-ECONOMIC SURVEYS - 6, PLANNING - 5.

5544

SHRI P V PRADEEP KUMAR; (B. MAY 20, 1964),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - SOUTH GUJARAT '85.

SPECIALIZATIONS : DESIGN OF MECHANICAL COMPONENTS.

EXPERIENCE : TRAINEE ENGINEER, MASS FABRICATIONS, 1985-86; SCIENTIST B, C.R.R.I. SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : DESIGNING AND FABRICATION OF EQUIPMENT.

LANGUAGES : MALAYALAM, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : SUPERVISION - 3.

5545

SHRI SUDESH KUMAR; (B. JANUARY 1, 1958),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - MEERUT '78; M.SC. ORGANIC CHEMISTRY - MEERUT '81.

SPECIALIZATIONS : CHEMISTRY; PAVEMENT EVALUATION OF HIGHWAY.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, C.R.R.I., 1980-86; SCIENTIST B, C.R.R.I. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : R & D IN HIGHWAY ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 8, PATENTS FILED CURRENTLY - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12.

5546

SHRI RAJESH KUMAR MAHESHWARI; (B. FEBRUARY 1, 1951),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC - MEERUT '69; M.SC. INORGANIC CHEMISTRY - B.I.T.S., PILANI '71.

SPECIALIZATIONS : CORROSION IN CONCRETE STRUCTURES; PITCH BASED CARBON MATERIALS; INORGANIC CHEMISTRY.

EXPERIENCE : CHEMIST, MODI STEELS, MODINAGAR, 1972-79; J.S.A., I.O.M., MURADNAGAR, U.P., 1979-82; S.S.A. AND SCIENTIST A, C.R.R.I.; 1982-87; SCIENTIST B, C.R.R.I. SINCE JANUARY, 1987.

PRESENT ACTIVITY : RESEARCH; CORROSION IN CONCRETE STRUCTURES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 4, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : CASH AWARD AND CITATION, INSPECTORATE OF METALS GOVT OF INDIA, 1990-91.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, TESTING - 10.

5547

SHRI D K MEHTA; (B. OCTOBER 10, 1942),
TECHNICAL OFFICER (B), CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : CERTIFICATE IN LAND SURVEYING - I.T.I., PUSA, NEW DELHI '63; DIPLOMA IN COMMERCIAL ARTS - DELHI TECHNICAL BOARD '75.

SPECIALIZATIONS : TRAFFIC AND TRANSPORTATION (ROAD GEOMETRICS).

EXPERIENCE : J.L.A., JR. D/MAN, SR. D/MAN, SR. D/MAN GR-B AND TECHNICAL OFFICER A, C.R.R.I., 1964-87; TECHNICAL OFFICER (B), C.R.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITY : DESIGNING AND PLANNING IN TRAFFIC TRANSPORTATION.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 25.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 27.

5548

SHRI A K MITAL; (B. SEPTEMBER 27, 1964),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL - KARNATAK '86.

SPECIALIZATIONS : AXLE LOAD AND PAVEMENT EVALUATION.

EXPERIENCE : A.E, J.K. SYNTHETICS, KOTA, 1987; DESIGN ASSISTANT, C.W.C., 1987-88; SCIENTIST B, C.R.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : PAVEMENT EVALUATION.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : AXLE LOAD STUDY - 1, PAVEMENT EVALUATION - 1.

5549

SHRI SURINDER MOHAN; (B. OCTOBER 12, 1951),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '71; M.SC. PHYSICS - AGRA '73; POST GRADUATE DIPLOMA IN ECOLOGY AND ENVIRONMENT - '88.

SPECIALIZATIONS : ELECTRONICS; ENVIRONMENTAL POLLUTION; ROAD TRAFFIC SAFETY.

EXPERIENCE : S.L.A., S.S.A. AND SCIENTIST A, C.R.R.I., 1980-87; SCIENTIST B, C.R.R.I. SINCE MARCH, 1987.

PRESENT ACTIVITIES : R & D IN ROAD TRAFFIC SAFETY AND ENVIRONMENTAL POLLUTION DUE TO TRAFFIC.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 13, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, CONSULTANCY - 3.

5550

SHRI DEEPAK MUKHERJEE; (B. AUGUST 10, 1952),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.SC. APPLIED GEOLOGY - DELHI '74.

SPECIALIZATIONS : ROCKS AND LANDSLIDES.

EXPERIENCE : J.S.A. AND S.S.A., C.R.R.I., 1981-85; SCIENTIST B, C.R.R.I. SINCE APRIL, 1985.

PRESENT ACTIVITIES : LANDSLIDE CONTROL AND SEDIMENTOLOGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10.

5551

DR(MS) NEELIMA MUKHERJEE; (B. DECEMBER 14, 1963),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC - JAIPUR '84; M.A. PSYCHOLOGY - DAYALBAGH EDUCATIONAL INSTT. '86; PH.D. ENVIRONMENTAL PSYCHOLOGY - DAYALBAGH EDUCATIONAL INSTT. '91.

SPECIALIZATIONS : ENVIRONMENTAL PSYCHOLOGY.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE MARCH, 1990.

PRESENT ACTIVITY : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

5552

MRS RENU PASRICHA; (B. MAY 15, 1965),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.SC.(TECH.) INSTRUMENTATION - B.I.T.S. PILANI '87; M.TECH. MANAGEMENT & SYSTEMS - I.I.T., DELHI '92.

SPECIALIZATIONS : INSTRUMENTATION.

EXPERIENCE : SR. ENGINEER, ASSOCIATED INSTRUMENTATION MANUFACTURES (I) PVT LTD, NEW DELHI, 1987-92; SCIENTIST B, C.R.R.I. SINCE MAY, 1992.

PRESENT ACTIVITY : R & D IN INSTRUMENTATION.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BAS. RES. - 5, CONSTRUCTION - 5, DESIGN - 5, QUALITY CONTROL - 5, R&D MANAGEMENT - 5.

5553

SHRI N K S PUNDHIR; (B. JANUARY 1, 1954),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '73; M.SC. CHEMISTRY - AGRA '75; M.A. HISTORY - GARHWAL '83.

SPECIALIZATIONS : PHYSICAL CHEMISTRY; CHEMISTRY OF BITUMINOUS MATERIALS; INORGANIC CHEMISTRY.

EXPERIENCE : CHEMICAL ASSTT., ARCHAEOLOGICAL SURVEY OF INDIA, DEHRADUN, 1977-82; S.S.A., AND SCIENTIST A, C.R.R.I., 1982-91; SCIENTIST B, C.R.R.I. SINCE JANUARY, 1991.

PRESENT ACTIVITIES : R & D IN BITUMINOUS MATERIALS AND ROAD AGGREGATES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 19.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 8, CONSULTANCY - 6, TESTING - 6.

5554

SHRI MADAM JOHN RAJAKUMAR; (B. MAY 1, 1966),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - SRI VENKATESWARA '88; M.TECH. TRANSPORTATION ENGINEERING - I.I.T., KHARAGPUR '90.

SPECIALIZATIONS : TRANSPORTATION ENGINEERING.

EXPERIENCE : TRAINEE ENGINEER AND ASST. ENGINEER, CONSULTING ENGINEERING SERVICES (I) PVT. LTD., 1991-92; SCIENTIST B, C.R.R.I. SINCE AUGUST, 1992.

PRESENT ACTIVITY : R & D.

LANGUAGES : TELUGU, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 1, CONSULTANCY - 1.

5555

SHRI L NAGA MOHANA RAO; (B. OCTOBER 10, 1964),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL - NAGARJUNA '85; M.TECH. HIGHWAY & TRAFFIC ENGG. - I.I.T., KHARAGPUR '87.

SPECIALIZATIONS : HIGHWAY AND TRAFFIC ENGINEERING; BITUMINOUS TECHNOLOGY.

EXPERIENCE : LECTURER, SVH COLLEGE OF ENGG.; SCIENTIST B, C.R.R.I SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : COMPUTER APPLICATIONS IN ROAD ENGINEERING; PAVEMENT PERFORMANCE STUDY.

LANGUAGES : TELUGU, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D - 3, TEACHING - 1.

5556

SHRI U S RAO; (B. FEBRUARY 4, 1958),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

5557

SHRI SUKUMAR SAHA; (B. SEPTEMBER 7, 1952),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - CALCUTTA '73; M.SC. APPLIED MATHEMATICS - CALCUTTA '76.

SPECIALIZATIONS : FLUID MECHANICS; SOIL MECHANICS; COMPUTER SCIENCE.

EXPERIENCE : RESEARCH FELLOW, CALCUTTA PORT TRUST, 1978-80; J.S.A. AND S.S.A., C.R.R.I., 1980-88; SCIENTIST B, C.R.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITY : R & D GEOTECHNICAL ENGINEERING.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 5, TESTING - 1, CONSULTANCY - 5.

5558

DR(MRS) SANGITA; (B. MAY 1, 1959),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : PH.D. POLYMER CHEMISTRY - I.I.T., DELHI '86.

SPECIALIZATIONS : POLYMER SCIENCE AND ENGINEERING.

EXPERIENCE : RES ASSTT. AND RES. ASSOCIATE, I.I.T., DELHI, 1981-87; SCIENTIST B, DRDO, KANPUR, 1987-88; (ALSO TRAINING IN THERMAL DECOMPOSITION MECHANISM FOR POLYIMIDE RESINS, AUSTRIA, 1986); SCIENTIST B, C.R.R.I. SINCE MARCH, 1989.

PRESENT ACTIVITIES : R&D IN SOIL STABILISATION AND RURAL ROADS.

LANGUAGES : HINDI, ENGLISH, GERMAN.

VISITED : AUSTRIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9.

5559

SHRI SUJIT KUMAR SARAN; (B. OCTOBER 10, 1965),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - KARNATAK '89; M.E. HIGHWAY ENGINEERING - ROORKEE '91.

SPECIALIZATIONS : TRANSPORTATION AND HIGHWAY ENGINEERING.

EXPERIENCE : FELLOW SCIENTIST, C.R.R.I., 1991-92; SCIENTIST B, C.R.R.I. SINCE JULY, 1992.

PRESENT ACTIVITY : R & D IN TRANSPORTATION AND HIGHWAY ENGINEERING.

LANGUAGES : ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : BAS. RES. - 1.5, DESIGN - 1.5, TESTING - 1.5, MAINTENANCE - 1.5.

5560

SHRI J B SENGUPTA; (B. MARCH 9, 1958),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. CHEMISTRY - JABALPUR '74; M.SC. CHEMISTRY - JABALPUR '79.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY; NEW PAVEMENT TECHNOLOGY; MODERN TECHNIQUES FOR CAR TESTING.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, C.R.R.I., 1981-87; SCIENTIST B, C.R.R.I. SINCE APRIL, 1987.

PRESENT ACTIVITY : NEW PAVEMENT TECHNOLOGY.

LANGUAGES : HINDI, ENGLISH, BENGALI.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BAS. RES. - 12, CONSTRUCTION - 12, TESTING - 12, QUALITY CONTROL - 12, PLANNING - 12, CONSULTANCY - 12.

5561

SHRI P SHANMUGAM; (B. FEBRUARY 28, 1968),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. ZOOLOGY - BHARATHIDASAN '88; M.SC. ENVIRONMENTAL SCIENCE - BHARATHIDASAN '90.

SPECIALIZATIONS : BIOTECHNOLOGY; ENVIRONMENTAL SCIENCE; INDUSTRIAL POLLUTION AND CONTROL.

EXPERIENCE : J.R.F., BHARATHIDASAN UNIVERSITY, 1990-92; SCIENTIST B, C.R.R.I. SINCE AUGUST, 1992. **PRESENT ACTIVITY** : R & D IN ENVIRONMENTAL SCIENCE, ROAD TRAFFIC SAFETY.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 2, TEACHING - 2, APPLIED RESEARCH - 2, OPERATION - 2, SURVEY OF NAT. RES. - 2, PILOT PLANT - 2.

5562

SHRI NIRAJ SHARMA; (B. MAY 31, 1965),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - JABALPUR '85; M.E. ENVIRONMENTAL ENGINEERING - JABALPUR '88.

SPECIALIZATIONS : ENVIRONMENTAL IMPACT ASSESSMENT; ENVIRONMENTAL ENGINEERING; AIR POLLUTION MODELLING.

EXPERIENCE : LECTURER, DIRECTORATE OF TECHNICAL EDUCATION, 1989-90; S.R.F., N.E.E.R.I., NAGPUR, 1990-92; SCIENTIST B, C.R.R.I. SINCE AUGUST, 1992.

PRESENT ACTIVITY : R & D IN ENVIRONMENTAL SCIENCE AND ROAD TRAFFIC SAFETY

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, TEACHING - 2, APPLIED RESEARCH - 3.

5563

SHRI S D SHARMA; (B. JULY 15, 1950),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '70; M.SC. INORGANIC CHEMISTRY - AGRA '72.

SPECIALIZATIONS : INORGANIC CHEMISTRY.

EXPERIENCE : SR. PLANT OPERATOR CUM CHEMIST, NATIONAL AIR PRODUCTS, FARIDABAD, 1972-77; J.S.A., CEMENT RESEARCH INSTITUTE OF INDIA, BALLABHGARH, 1977-81; S.S.A. AND SCIENTIST A, C.R.R.I., 1981-84; SCIENTIST B, C.R.R.I. SINCE MAY, 1984.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH. REPORTS - 8, PATENTS FILED CURRENTLY - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, TECH. DEV. - 2, CONSULTANCY - 5, OPERATION - 5, TESTING - 4, QUALITY CONTROL - 2, PRODUCTION - 5, BAS. RES. - 2.

5564

MRS ANURADHA SHUKLA; (B. AUGUST 8, 1960),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - DELHI '81; M.SC. CHEMISTRY - I.I.T., DELHI '83; M.TECH. CORROSION ENGINEERING - I.I.T., BOMBAY '85; P.G DIPLOMA IN ENVIRONMENT & ECOLOGY - '89.

SPECIALIZATIONS : CORROSION ENGINEERING; ENVIRONMENTAL POLLUTION; TRAFFIC SAFETY; THERMOPLASTIC ROAD MARKING PAINTS.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE AUGUST, 1986.

PRESENT ACTIVITIES : MONITORING OF ENVIRONMENTAL POLLUTION DUE TO ROAD TRAFFIC; PREPARATION OF THERMOPLASTIC ROAD MARKING MATERIALS; TRAFFIC SAFETY.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5.

5565

SHRI K SITARAMANJENAYALU; (B. JULY 2, 1961),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.E. CIVIL - BANGALORE '87.

SPECIALIZATIONS : HIGHWAY ENGINEERING.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : RESEARCH IN HIGHWAY ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2.

5566

SHRI SASHI KUMAR SONI; (B. APRIL 5, 1963),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC.(ENGG) CIVIL - A.M.U. '81; M.E. CIVIL - ROORKEE '86.

SPECIALIZATIONS : SOIL STABILISATION AND RURAL ROADS.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : R&D IN SOIL STABILISATION AND RURAL ROADS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, QUALITY CONTROL - 1.

5567

SHRI R K SRIVASTAVA; (B. OCTOBER 5, 1961),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL - MADRAS '83; M.M.S. - B.H.U. '86.

SPECIALIZATIONS : MANAGEMENT; PLANNING AND MONITORING.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : PLANNING AND MONITORING.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PLANNING & MONITORING - 1.

5568

DR RADESH KRISHNAN SURI; (B. MAY 1, 1963),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - GARHWAL '82; M.A. PSYCHOLOGY - GARHWAL '84; M.PHIL. PSYCHOLOGY - RANCHI '87; PH.D. PSYCHOLOGY - DELHI '90; D.I.M. MANAGEMENT - I.G.N.O.U. '92.

SPECIALIZATIONS : MEDICAL AND SOCIAL PSYCHOLOGY; NEUROEDUCATIONAL AND PSYCHOMETRICS; HUMAN RESOURCE MANAGEMENT; TRAFFIC PSYCHOLOGY.

EXPERIENCE : RESEARCH ASSISTANT, N.I.V.H., DEHRADUN, 1984-85; RESEARCH FELLOW, CENTRAL INSTITUTE OF PSYCHOLOGY, RANCHI, 1985-87; RESEARCH ASSISTANT, SAFDARJUNG HOSPITAL, NEW DELHI, 1987-88; S.R.F., DELHI UNIVERSITY, 1988-90; SCIENTIST B, C.R.R.I. SINCE MARCH, 1990.

PRESENT ACTIVITY : R & D IN ROAD SAFETY AND TRAFFIC PSYCHOLOGY.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 2, SCIENTIFIC BOOKS - 1, ARTICLES - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 4, TEACHING - 3, EDITING - 2, APPLIED RESEARCH - 8, SURVEY OF NAT. RES. - 8, TESTING - 8, TECHNO-ECO SURVEY - 6, PLANNING - 4, COMPUTER PROCESSING - 4, CONSULTANCY - 1.

5569

SHRI R K SWAMI; (B. JULY 14, 1956),
SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - MEERUT, '74; M.SC. ORGANIC CHEMISTRY - MEERUT '76.

SPECIALIZATIONS : ORGANIC CHEMISTRY; SOIL STABILISATION.

EXPERIENCE : J.R.F., J.S.A., S.S.A. AND SCIENTIST A, C.R.R.I., 1981-87; SCIENTIST B, C.R.R.I. SINCE MARCH, 1987.

PRESENT ACTIVITY : R&D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 11, CONSTRUCTION - 11, TEACHING - 11, QUALITY CONTROL - 11, CONSULTANCY - 11.

5570

SHRI Y C TEWARI; (B. MARCH 12, 1958),

TECHNICAL OFFICER (B), CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. PHYSICS - DELHI '77; M.SC. PHYSICS (ELECTRONICS) - DELHI '79.

SPECIALIZATIONS : INSTRUMENTATION; NON-DESTRUCTIVE TESTING.

EXPERIENCE : J.S.A., C.R.R.I., 1981-89; SCIENTIST B, C.R.R.I., SINCE NOVEMBER, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPER - 2, TECH. REPORTS - 4, PATENTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, TESTING - 10, QUALITY CONTROL - 10.

5571

SHRI RAJIV VIJ; (B. MARCH 6, 1965),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : M.SC. OPERATIONS RESEARCH - DELHI '87.

SPECIALIZATIONS : OPERATIONS RESEARCH.

EXPERIENCE : SCIENTIST B, C.R.R.I. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : PREPARATION OF MASTER PLAN FOR IMPROVEMENT OF ROADS.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2.

5572

SHRI B V S VISWANADHAM; (B. JUNE 1, 1964),

SCIENTIST B, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - ANDHRA '87; M.TECH. CIVIL ENGINEERING - IIT, MADRAS '89.

SPECIALIZATIONS : GEOTECHNICAL ENGINEERING; GROUND IMPROVEMENT; SOFTWARE RELEVANT TO GEOTECHNICAL ENGINEERING.

EXPERIENCE : SR. PROJECT OFFICER GRADE II, I.I.T., MADRAS, 1989-91; SCIENTIST B, C.R.R.I. SINCE AUGUST, 1991.

PRESENT ACTIVITY : DESIGN AND APPLIED RESEARCH; GROUND IMPROVEMENT TECHNIQUES; SOFTWARE DEVELOPMENT.

LANGUAGES : TELUGU, ENGLISH, HINDI, TAMIL.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 4, DESIGN - 3.

5573

SHRI T D RAGHAV; (B. JUNE 6, 1949),

SCIENTIST A, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - KURUKSHETRA '78.

SPECIALIZATIONS : INFORMATION SCIENCE.

EXPERIENCE : J.L.A., S.L.A. AND J.S.A., N.P.L., NEW DELHI, 1973-80; S.S.A. AND INFORMATION OFFICER (A), C.R.R.I., 1980-90; INFORMATION OFFICER (B), C.R.R.I. SINCE MAY, 1990.

PRESENT ACTIVITIES : INFORMATION DISSEMINATION.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORT - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : INFORMATION DISSEMINATION - 15.

5574

SHRI SURJIT KUMAR SHARMA; (B. APRIL 1, 1958),

TECHNICAL OFFICER (A), CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - TECH EDUCATION BOARD, PANJAB '75.

SPECIALIZATIONS : STRUCTURES.

EXPERIENCE : S.S.A., C.R.R.I. 1981-87; TECHNICAL OFFICER (A), C.R.R.I. SINCE APRIL, 1987.

LANGUAGES : HINDI, ENGLISH, URDU.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 23.

AWARDS & DISTINCTIONS : MERIT CERTIFICATE, INSTITUTION OF ENGINEERS (INDIA). 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11, TESTING - 11.

5575

SHRI H H SUTHAR; (B. NOVEMBER 13, 1949),

SCIENTIST A, CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - PHYSICS (HONS)

SPECIALIZATIONS : TRANSPORTATION PLANNING; FORTRAN PROGRAMMING.

EXPERIENCE : INVESTIGATOR, T.C.P.O. NEW DELHI 1972-74, RESEARCH ASSOCIATE, SCHOOL OF PLANNING & ARCH., NEW DELHI 1974-78; S.S.A., C.R.R.I., 1978-83; SCIENTIST A, C.R.R.I. SINCE SEPTEMBER, 1983.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18.

5576

SHRI R S VERMA; (B. JANUARY 2, 1936),

TECHNICAL OFFICER (A), CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI.

QUALIFICATIONS : B.SC. - AGRA '57; M.SC. MATHEMATICS - AGRA '60.

SPECIALIZATIONS : CEMENT TECHNOLOGY.

EXPERIENCE : S.L.A., J.S.A. AND S.S.A., C.R.R.I. 1964-87; TECHNICAL OFFICER (A), C.R.R.I. SINCE JANUARY, 1987.

PRESENT ACTIVITY : R & D IN CONCRETE TECHNOLOGY.

LANGUAGES : ENGLISH, HINDI, URDU.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 28, QUALITY CONTROL - 28, CONSULTANCY - 28

**Central Glass & Ceramic Research Institute,
Calcutta**

5577

DR B K SARKAR; (B. OCTOBER 25, 1935),

DIRECTOR, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. METALLURGICAL ENGINEERING - LONDON, U.K. '63; PH.D. METALLURGICAL ENGINEERING - LONDON, U.K. '67.**SPECIALIZATIONS :** METALLURGY; CERAMICS; COMPOSITE MATERIALS; R & D MANAGEMENT.**EXPERIENCE :** RESEARCH ASSISTANT, MORGANITE R & D CO LTD., LONDON, U.K., 1958-62; RESEARCH ASSOCIATE, ATOMIC ENERGY AUTHORITIES, U.K., 1963-67; (ALSO HIGHER TRAINING IN ITALY AND SWEDEN, 1964 & 1966); ASSISTANT LECTURER, BATTERSEA COLLEGE OF TECHNOLOGY, LONDON, U.K., 1964-66; LECTURER & FELLOW, UNIVERSITY OF SURREY, GILDFORD, U.K., 1967-70; ASSOCIATE PROFESSOR, LANCHESTER POLYTECHNIC, COVENTRY, U.K., 1970-71; SCIENTIST G, HEAD OF DIVISION, GROUP HEAD AND GROUP DIRECTOR, R & D, VIKRAM SARABHAI SPACE CENTRE, TRIVANDRUM, 1971-88; (ALSO DEAN, FACULTY OF SCIENCE, MAHATMA GANDHI UNIVERSITY, KOTTAYAM, KERALA, 1985-88); DIRECTOR, C.G.C.R.I. SINCE SEPTEMBER, 1988.**PRESENT ACTIVITIES :** R & D MANAGEMENT.**LANGUAGES :** BENGALI, HINDI, MALAYALAM, ENGLISH.**VISITED :** U.K., SWEDEN, ITALY, CZECHOSLOVAKIA, FINLAND.**PUBLICATIONS & PATENTS :** RES. PAPERS - 56, TECH. REPORTS - 18, ARTICLES - 7, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 9, PROCESSES UNDER UTILISATION - 7.**AWARDS & DISTINCTIONS :** MALAVIYA AWARD, INDIAN CERAMIC SOCIETY, 1974; NATIONAL METALLURGISTS' DAY AWARD, MINISTRY OF STEEL, MINES AND COAL, GOI, 1979; FELLOW, INDIAN INSTITUTE OF CERAMICS; PRESIDENT, INDIAN CERAMIC SOCIETY; MEMBER, INSTITUTE OF METALS, U.K.; CO-ORDINATOR DIRECTOR, BUILDING MATERIALS OF CSIR; CHAIRMAN, COUNCIL FOR DEVELOPMENT OF MATERIALS FOR ELECTRONICS (CDOME).**PROFESSIONAL EXPERIENCE (IN YEARS) :** BASIC RES. - 4, APP. RES. - 22, TECHNICAL DEV. - 11, R & D MGMT. - 13, TEACHING - 9, PLANNING - 5, TECHNOLOGY TRANSFER & UTILISATION - 7.

5578

DR J MUKERJI; (B. MAY 21, 1935),

SCIENTIST G, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - CALCUTTA '54; M.SC.(TECH.) APPLIED CHEMISTRY (GLASS & CERAMICS) - CALCUTTA '57; D.SC. PHYSICAL CHEMISTRY OF SILICATES - PARIS, FRANCE '62.**SPECIALIZATIONS :** SILICATE TECHNOLOGY; GLASS AND CERAMIC TECHNOLOGY; REFRACTORIES.**EXPERIENCE :** GLASS TECHNOLOGIST, ALEMBIC GLASS FACTORY, 1957-59; SCIENTIFIC OFFICER, DEFENCE METALLURGICAL LABORATORY, 1963-64; SCIENTIST C, SCIENTIST EI AND SCIENTIST F, C.G.C.R.I., 1964-84; SCIENTIST G, C.G.C.R.I. SINCE JANUARY, 1984.**PRESENT ACTIVITIES :** R & D IN ADVANCED STRUCTURAL CERAMICS, REFRACTORIES, GLASS & CERAMIC TECHNOLOGY.**LANGUAGES :** BENGALI, ENGLISH, FRENCH, GERMAN.**VISITED :** FRANCE, U.S.A., GERMANY, U.S.S.R., OTHER EUROPEAN COUNTRIES.**PUBLICATIONS & PATENTS :** RES. PAPERS - 100, SCIENTIFIC REPORTS - 23, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 5.**AWARDS & DISTINCTIONS :** INDIAN REFRACTORY MAKERS' AWARD; INDIAN CERAMIC SOCIETY AWARD; FELLOW, SOCIETY OF GLASS TECHNOLOGY, U.K.; MRSI MEDAL.**PROFESSIONAL EXPERIENCE (IN YEARS) :** BASIC RES. - 25, APP. RES. - 25, PRODUCTION - 2.

5579

SHRI M K BASU; (B. MARCH 1, 1937),

SCIENTIST F, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '56; P.G. DIPLOMA IN CERAMICS - UNIVERSITY OF LEEDS, U.K. '63; M.SC. CERAMICS - UNIVERSITY OF LEEDS, U.K. '65.**SPECIALIZATIONS :** TECHNICAL CERAMICS; R&D MANAGEMENT; CONSULTANCY.**EXPERIENCE :** CERAMIST, LASTESQUE INDUSTRIES LTD., 1965-66; TECHNICAL OFFICER, BENGAL POTTERIES LTD., 1966-69; SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, C.G.C.R.I., 1969-86; SCIENTIST F, C.G.C.R.I. SINCE JANUARY, 1987. (ALSO VISITED USSR AS MEMBER DELEGATE OF DST, 1990).**PRESENT ACTIVITY :** APPLIED RESEARCH/R & D MANAGEMENT.**LANGUAGES :** BENGALI, HINDI, GUJARATI, ENGLISH, GERMAN.**VISITED :** W.GERMANY, U.K., U.S.S.R.**PUBLICATIONS & PATENTS :** RES. PAPERS - 11, TECH. REPORTS - 6, ARTICLES - 4, PROCESSES DEVELOPED - 8, PROCESSES UNDER UTILISATION - 4.**AWARDS & DISTINCTIONS :** FELLOW, INDIAN INSTITUTE OF CERAMICS, 1987.**PROFESSIONAL EXPERIENCE (IN YEARS) :** BASIC RESEARCH - 7, TEACHING - 1, APPLIED RESEARCH - 10, TESTING - 4, QUALITY CONTROL - 4, PRODUCTION - 4, R & D MANAGEMENT - 10, CONSULTANCY - 2.

5580

DR HIMADRI SEKHAR MAITI; (B. OCTOBER 28, 1947),

SCIENTIST F, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.E. METALLURGY - CALCUTTA '69; M.TECH. METALLURGY - I.I.T., KANPUR '71; PH.D. CERAMICS - I.I.T., KANPUR '75.**SPECIALIZATIONS :** ELECTRONIC CERAMICS; METALLURGY; MATERIALS SCIENCE.**EXPERIENCE :** S.R.F. AND J.R.A., I.I.T., KANPUR, 1969-73; LECTURER AND ASSISTANT PROFESSOR, I.I.T., KHARAGPUR, 1974-86; (ALSO COMMONWEALTH FELLOW, AERE, HARWELL, U.K., 1977-78); SCIENTIST EII, CGCRI, SINCE 1987-91; SCIENTIST F, CGCRI SINCE APRIL, 1991.**PRESENT ACTIVITIES :** RESEARCH AND R & D MANAGEMENT IN ELECTRONIC CERAMICS.**LANGUAGES :** BENGALI, HINDI, ENGLISH.

VISITED : U.K., U.S.A, ITALY.

PUBLICATIONS & PATENTS : RES. PAPERS - 65, TECH. REPORTS - 5, PATENTS FILED - 1.

AWARDS & DISTINCTIONS : DEOKARAN AWARD FOR BEST PAPER ON GLASS, INDIAN CERAMIC SOCIETY, 1977; GANPULE AWARD FOR BEST RESEARCH PAPER, INDIAN CERAMIC SOCIETY, 1986; SCROLL OF MERIT FOR BEST RESEARCH WORK, INDIAN CRYOGENICS COUNCIL, 1990; MRSI MEDAL FOR CONTRIBUTION TO MATERIALS RESEARCH, MATERIALS RESEARCH SOCIETY OF INDIA, 1991.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, APP. RES. - 20, TEACHING - 13, R & D MGMT. - 4.

5581

SHRI B K PANDEY; (B. JUNE 6, 1936),

SCIENTIST F, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - JADAVPUR '58; CHARTERED ENGINEER, MIE, INDIA.

SPECIALIZATIONS : DESIGN, DEVELOPMENT AND FABRICATION OF MACHINES, EQUIPMENTS AND FURNACES; ENGINEERING SUPPORT SERVICES; THERMAL TOUGHENING OF LENS; PRODUCTION OF OPTICAL GLASS AND RADIATION SHIELDING WINDOW; TECHNICAL CONSULTANCY.

EXPERIENCE : ASSISTANT MECHANICAL ENGINEER, ANAPURNA METAL WORKS, 1958-59; ELECTRICAL ENGINEER, PLANT ENGINEER, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, C.G.C.R.I., 1959-87; (ALSO TRAINING COURSE IN PRODUCTION ENGINEERING AND TOOL DESIGN, CALCUTTA PRODUCTIVITY COUNCIL, 1963; GLASS TECHNOLOGY, OTCA, JAPAN, 1972; INDUSTRIAL ERGONOMICS, CENTRAL LABOUR INSTITUTE, 1973; FURNACE DESIGN AND FIBRE GLASS TECHNOLOGY, ROMANIA, 1976 AND MANAGEMENT OF R & D PROJECTS, A.S.C.I., HYDERABAD, 1979); SCIENTIST F, C.G.C.R.I. SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : OPTICAL GLASS PLANT MANAGEMENT, SUPERVISION AND CONTROL OF CERAMIC POT MAKING, GLASS MELTING AND PROCESSING, QUALITY ASSURANCE, SALES OF PRODUCT AND ADMINISTRATIVE MONITORING, LIAISON AND R & D OF NEWER GLASSES.

LANGUAGES : HINDI, BENGALI, ENGLISH.

VISITED : JAPAN, ROMANIA.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1, ARTICLES - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 23, TECH. DEV. - 31, PILOT PLANT - 27, R & D MGMT. - 10, MAINTENANCE - 31, PLANNING - 19, ADMN. - 19, PRODUCTION - 11.

5582

DR TARUN KUMAR BANDYOPADHYAY; (B. APRIL 15, 1940),

SCIENTIST EII, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) GEOLOGY - CALCUTTA '59; M.SC. GEOLOGY - CALCUTTA '61; D.PHIL. GEOLOGY - CALCUTTA '68.

SPECIALIZATIONS : INORGANIC MATERIAL SYNTHESIS AND CHARACTERISATION; GROWTH OF SINGLE CRYSTALS AND IMPERFECTION STUDIES; ELECTRON MICROSCOPIC

STUDIES OF THIN FILMS; COMMUNICATION FIBRE AND CHARACTERISATION.

EXPERIENCE : J.R.F., PRESIDENCY COLLEGE, CALCUTTA, 1962-63; S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.G.C.R.I., 1963-83; (ALSO HIGHER RESEARCH, W. GERMANY, 1971-72 AND 1983); SCIENTIST EII, C.G.C.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH ON COMMUNICATION FIBRE.

LANGUAGES : BENGALI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 19.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 25, APP. RES. - 25.

5583

DR GOUTAM BANERJEE; (B. DECEMBER 16, 1940),

SCIENTIST EII, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) - CALCUTTA '62; B.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '64; M.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY (CERAMICS) - CALCUTTA '65; PH.D. REFRACTORY TECHNOLOGY - CALCUTTA '77.

SPECIALIZATIONS : REFRACTORY AND CERAMIC TECHNOLOGY.

EXPERIENCE : ASSISTANT ENGG. MANAGER, MECON (I) LTD., RANCHI, 1965-82; (ALSO HIGHER TRAINING, GEPROMEZ & REFRACTORY INSTITUTE, U.S.S.R., 1971-72); REFRACTORY SPECIALIST, M.N. DASTUR & CO. (P) LTD., CALCUTTA, 1982-88; SCIENTIST EII, CGCRI SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN REFRACTORIES AND HIGH TEMPERATURE MATERIALS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U.S.S.R., U.K., EUROPE, JAPAN, U.S.A

PUBLICATIONS & PATENTS : RES. PAPERS - 28, PATENTS - 8, TECH. TRANSFER - 10.

AWARDS & DISTINCTIONS : FELLOW, INDIAN INSTITUTE OF CERAMICS.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, TECH. DEV., PILOT PLANT, CONSULTANCY, R & D MGMT., CONSTRUCTION, TESTING, QUALITY CONTROL, TEACHING, TECHNO-ECONOMIC SURVEYS, PLANING AND TECHNOLOGY TRANSFER - (TOTAL: 25 YEARS).

5584

DR MITHILES CHAKRAVARTY; (B. JANUARY 22, 1945),

SCIENTIST EII, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.TECH (HONS.) CHEMICAL ENGINEERING - I.I.T., KHARAGPUR '65; PH.D.(TECH) CHEMICAL ENGINEERING - BOMBAY '84.

SPECIALIZATIONS : CHEMICAL PROCESS DESIGN AND DEVELOPMENT.

EXPERIENCE : CHEMICAL ENGINEER, UNITED CHEMICALS, CALCUTTA, 1965-66; GRADUATE APPRENTICE, I.C.I., CALCUTTA, 1966-67; PROCESS DEVELOPMENT ENGINEER, METRO CHEMICAL INDUSTRY, CALCUTTA, 1967-68; SCIENTIST B AND SCIENTIST C, R.R.L., JORHAT, 1968-75; CHEMICAL ENGINEER, N.M.L., JAMSHEDPUR, 1975-81; SCIENTIST C AND SCIENTIST EI, C.G.C.R.I., 1981-86; SCIENTIST EII, C.G.C.R.I. SINCE APRIL, 1986.

PRESENT ACTIVITIES : PROCESS DESIGN, DEVELOPMENT AND PROJECT ENGINEERING OF INORGANIC PROCESSES AND ENERGY RECOVERY SYSTEMS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, PAPERS PRESENTED - 5, PATENTS FILED - 15, PROCESSES DEVELOPED - 14, PROCESSES UNDER UTILIZATION - 9.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 5, APP. RES. - 23, DESIGN - 16, PILOT PLANT - 23, PRODUCTION - 3.

5585

DR SATIPRASAD CHAUDHURI; (B. FEBRUARY 16, 1940),

SCIENTIST EII, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - CALCUTTA '61; B.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '63; M.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '64; PH.D. APPLIED CHEMISTRY - CALCUTTA '68.

SPECIALIZATIONS : CERAMIC TECHNOLOGY; MINERALOGY; MICROSTRUCTURES.

EXPERIENCE : S.R.F. AND POST-DOCTORAL RESEARCH FELLOW, CALCUTTA UNIVERSITY, 1964-71; LECTURER, RAMAKRISHNA MISSION RESIDENTIAL COLLEGE, NARENDRAPUR, 1976-78; SCIENTIST C AND SCIENTIST EI, C.G.C.R.I., 1978-89; SCIENTIST EII, C.G.C.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D; CONSULTANCY; P G TEACHING.

LANGUAGES : BENGALI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 35, TECH. REPORTS - 3, ARTICLES - 1, PAPERS & BOOK REVIEWS - 20, PATENTS FILED - 2, PROCESSES DEVELOPED - 1.

AWARDS & DISTINCTIONS : GANPULE AWARD FOR BEST RESEARCH PAPER IN WHITEWARES, INDIAN CERAMIC SOCIETY, 1976; FELLOW, INDIAN INSTITUTE OF CERAMICS, 1984.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 26, APP. RES. - 12, TEACHING - 7, EDITING - 20.

5586

DR T K DAN; (B. MAY 1, 1949),

SCIENTIST EII, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '70; B.TECH. CERAMIC ENGINEERING - CALCUTTA '73; M.TECH. CERAMIC ENGINEERING - CALCUTTA '75; PH.D. CERAMIC ENGINEERING - CALCUTTA '79.

SPECIALIZATIONS : CERAMICS; MATERIALS SCIENCE; FORECASTING; PURE SCIENCE.

EXPERIENCE : RESEARCH ASSOCIATE, SCIENTIST B AND SCIENTIST C, R.R.L. TRIVANDRUM, 1979-82; SCIENTIST C, R.R.L. BHOPAL, 1982-88; SCIENTIST EI, C.G.C.R.I., 1988-91; SCIENTIST EII, C.G.C.R.I. SINCE OCTOBER, 1991.

PRESENT ACTIVITY : SCIENTIST INCHARGE, CGCRI NARODA CENTRE.

LANGUAGES : BENGALI, HINDI, GUJARATI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 44, TECH. REPORTS - 2, SCIENTIFIC BOOKS - 2, ARTICLES - 12, PATENTS TAKEN - 6, PATENTS FILED CURRENTLY - 4, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 4.

AWARDS & DISTINCTIONS : FELLOW, INDIAN INSTITUTE OF CERAMICS, 1988.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES - 17, APP RES - 13, EDITING - 11, SURVEY OF NAT. RESOURCES - 6, DESIGN - 11, TESTING - 10, TECHNO-ECONOMIC SURVEYS - 7, TECHNICAL DEV. - 12, QUALITY CONTROL - 10, PLANNING - 11, COMPUTER PROCESSING - 4, PILOT PLANT - 6, MAINTENANCE - 10, TECHNOLOGY TRANSFER - 10, CONSULTANCY - 10, R & D MGMT. - 11, ADMINISTRATION - 11.

5587

DR SUNIL KUMAR DAS; (B. DECEMBER 4, 1936),

SCIENTIST EII, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '55; M.SC. CHEMISTRY - LONDON UNIVERSITY, U.K. '64; PH.D. INORGANIC CHEMISTRY - LONDON UNIVERSITY, U.K. '67.

SPECIALIZATIONS : CERAMIC COATINGS, COLOURS AND GLAZES; CERAMIC CLAYS; SYNTHESIS OF INORGANIC COMPOUNDS.

EXPERIENCE : INCHARGE R&D DIVISION, M/S. BENGAL ENAMEL WORKS PALTA, WEST BENGAL, 1968-71; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.G.C.R.I., 1971-88; SCIENTIST EII, C.G.C.R.I. SINCE MARCH, 1988.

PRESENT ACTIVITIES : R & D IN MATERIALS DEVELOPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, ARTICLES - 3, PAPERS PRESENTED - 15, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 10, PROCESSES UNDER UTILISATION - 7.

AWARDS & DISTINCTIONS : FELLOW, INDIAN INSTITUTE OF CERAMICS, 1987.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 16, APP. RES. - 16, TECH. DEV. - 6, TESTING - 10, QUALITY CONTROL - 4, TEACHING - 2.

5588

DR DIBYENDU GANGULI; (B. AUGUST 3, 1940),

SCIENTIST EII, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) GEOLOGY - CALCUTTA '59; M.SC. GEOLOGY - CALCUTTA '61; PH.D. GEOLOGY - CALCUTTA '68.

SPECIALIZATIONS : GEOCHEMISTRY; CRYSTAL CHEMISTRY; PHYSICAL CHEMISTRY; SYNTHESIS OF MOLECULAR SIEVE ZEOLITES; INORGANIC POLYMERS; SOL-GEL PROCESSING.

EXPERIENCE : J.R.F., S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.G.C.R.I., 1962-84; (ALSO POST-DOCTORAL RESEARCH UNDER DAAD, W. GERMANY, 1970-71); SCIENTIST EII, C.G.C.R.I. SINCE NOVEMBER, 1984; (ALSO HIGHER RESEARCH, UNDER DAAD PROGRAMME, W.GERMANY, SEP-NOV., 1986).

PRESENT ACTIVITIES : RESEARCH AND R & D MANAGEMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 56, PATENTS FILED - 1, PATENTS TAKEN - 2.

AWARDS & DISTINCTIONS : BEST PAPER AWARD, INDIAN CERAMIC SOCIETY 1975-76; DEOKARAN AWARD FOR BEST PAPER ON GLASS, INDIAN CERAMIC SOCIETY. 1985-86.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 27, APP. RES. - 15, EDITING - 12.

5589

SHRI K N MAITI; (B. SEPTEMBER 23, 1946),

SCIENTIST EII, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '67; B.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '69; M.TECH. SILICATE TECHNOLOGY - CALCUTTA '70.

SPECIALIZATIONS : SILICATE TECHNOLOGY; SANITARY WARES; WHITE WARES; LOWCOST AND NEWER CERAMICS.

EXPERIENCE : S.S.A., NATIONAL TEST HOUSE, BOMBAY, 1970; RESEARCH OFFICER, HINDUSTHAN SANITARY WARES, BAHADURGARH, HARYANA, 1970-79; SCIENTIST B, R.R.L., JAMMU, 1979; GENERAL SUPERINTENDENT AND R & D OFFICER, TAMIL NADU CERAMICS LTD., 1979-82; SCIENTIST EI, CGCRI, 1982-87; SCIENTIST EII, C.G.C.R.I. SINCE JULY, 1987.

PRESENT ACTIVITIES : R & D IN LOWCOST AND NEWER CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, ARTICLES - 10, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 3.

AWARDS & DISTINCTIONS : FELLOW, INDIAN INSTITUTE OF CERAMICS; MEMBER, INSTITUTE OF CERAMICS, U K.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, PRODUCTION - 4, TECHNOLOGY TRANSFER - 1.

5590

DR BISWANATH MUKHERJEE; (B. JANUARY 20, 1936),

SCIENTIST EII, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. PHYSICS - CALCUTTA '57; M.SC. PHYSICS - ALLAHABAD '60; D.PHIL. PHYSICS - CALCUTTA '65.

SPECIALIZATIONS : X-RAY CRYSTALLOGRAPHY; MODELLING AND COMPUTER PROGRAMMING; SOLID STATE PHYSICS.

EXPERIENCE : POST DOCTORAL RESEARCH FELLOW, UNIV OF WESTERN AUSTRALIA, 1966-68; SCIENTIST C, C.F.R.I., 1968-74; SCIENTIST C AND SCIENTIST EI, C.G.C.R.I., 1974-87; SCIENTIST EII, C.G.C.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : MATHEMATICAL/PHYSICAL MODELLING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : AUSTRALIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 17.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 31.

5591

DR K K PHANI; (B. SEPTEMBER 6, 1948),

SCIENTIST EII, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.TECH.(HONS.) MECHANICAL - I.I.T., KHARAGPUR '69; PH.D.(ENGINEERING) - JODAVPUR '88.

SPECIALIZATIONS : COMPOSITE MATERIALS; MECHANICAL CHARACTERISATION OF MATERIALS.

EXPERIENCE : DESIGN ENGINEER, BIRD & CO.(PVT) LTD., 1969-72; TECHNICAL DIRECTOR, FIBRO - PLASTICHEM INDIA PVT. LTD., 1972-79; DESIGN ENGINEER, KREBS & CIE(I) PVT.LTD., 1979-82; SCIENTIST EI, C.G.C.R.I., 1982-87; SCIENTIST EII, C.G.C.R.I. SINCE JULY, 1987.

PRESENT ACTIVITIES : R & D IN COMPOSITE MATERIALS AND MECHANICAL CHARACTERISATION OF GLASS & CERAMIC MATERIALS.

LANGUAGES : BENGALI, ENGLISH, HINDI.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 40, ARTICLES - 1, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 1, PATENTS FILED CURRENTLY - 1.

AWARDS & DISTINCTIONS : FELLOW, INDIAN INSTITUTE OF CERAMICS; DEOKARAN AWARD FOR BEST PAPER ON GLASS, INDIAN CERAMIC SOCIETY, 1985-86.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH DEV AND DESIGN - 14, CONSULTANCY - 2, PRODUCTION - 3.

5592

SHRI SANAT KUMAR TARAFDAR; (B. JANUARY 1, 1939),

SCIENTIST EII, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL ENGINEERING - B.H.U. '64.

SPECIALIZATIONS : PROCESS MACHINES AND EQUIPMENTS FOR OPTICAL GLASS; DESIGN, DEVELOPMENT AND FABRICATION OF MACHINES.

EXPERIENCE : J.R.F. AND MECHANICAL ENGINEER, N.M.L., JAMSHEDPUR, 1964-69; PLANT ENGINEER, SCIENTIST C AND SCIENTIST EI, C.G.C.R.I., 1969-89; (ALSO TRAINING COURSE ON SOLAR ENERGY, JADAVPUR UNIVERSITY, 1982); SCIENTIST EI, C.G.C.R.I. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : R & D MANAGEMENT; DESIGN & DRAWING.

LANGUAGES : BENGALI, HINDI, ASSAMESE, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 17, TECH. DEV. - 22, PILOT PLANT - 22, MAINTENANCE - 22, PLANNING - 5.

5593

DR N ANNAMALAI; (B. MARCH 21, 1949),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - ANNAMALAI '70; M.S. CHEMICAL ENGINEERING - I.I.T., MADRAS '80; PH.D. CHEMICAL ENGINEERING - JADAVPUR '89.

SPECIALIZATIONS : CRYSTAL GROWTH; FLUID FLOWS; HEAT AND MASS TRANSFER; MATHEMATICAL MODELLING.

EXPERIENCE : TRAINEE, F.A.C.T. LTD., UDYOGAMANDAL, KERALA, 1970-71; ENGINEER, SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1971-87; SCIENTIST EI, C.G.C.R.I. SINCE JUNE, 1987.

PRESENT ACTIVITIES : RESEARCH; UPSCALING.

LANGUAGES : TAMIL, ENGLISH, BENGALI, HINDI.

VISITED : BELGIUM.

PUBLICATIONS & PATENTS : RES. PAPERS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 19.

5594

DR SIBDAS BANDYOPADHYAY; (B. NOVEMBER 7, 1950),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - BURDWAN '71; M.SC. INORGANIC CHEMISTRY - GORAKHPUR '74; PH.D. CEMENT TECHNOLOGY - I.S.M., DHANBAD '81.

SPECIALIZATIONS : CEMENT TECHNOLOGY; ORES AND MINERALS; LOWCOST CERAMIC PRODUCTS.

EXPERIENCE : RESEARCH FELLOW, RESEARCH ASSOCIATE AND LECTURER, I.S.M., DHANBAD, 1974-82; SCIENTIST C, R.R.L., JORHAT, 1982-87; SCIENTIST EI, C.G.C.R.I. SINCE JANUARY, 1987; (ALSO PROJECT OFFICER, ON DEPUTATION, N.E.C. SECTT., SHILLONG, 1986-88).

PRESENT ACTIVITIES : R&D IN HIGH TEMPERATURE SEMICONDUCTORS, CLAY BENEFICIATION AND BUILDING MATERIALS.

LANGUAGES : BENGALI, HINDI, ASSAMESE, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 4, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., PILOT PLANT, CONSULTANCY, TEACHING, PROJECT IMPLEMENTATION - (TOTAL : 15).

5595

SHRI AJIT KUMAR BHADRA; (B. JANUARY 4, 1938),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) GEOLOGY - CALCUTTA '59; M.SC. GEOLOGY - CALCUTTA '61.

SPECIALIZATIONS : PETROLOGY; MICROSTRUCTURE OF REFRACTORY MATERIALS.

EXPERIENCE : SCHOLAR, GEOLOGICAL SURVEY OF INDIA, 1962-63; J.R.F., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1964-86; SCIENTIST EI, C.G.C.R.I. SINCE 1986.

PRESENT ACTIVITIES : R & D IN HIGH TEMPERATURE MATERIALS; CHARACTERIZATION OF REFRACTORY RAW MATERIALS; DEVELOPMENT OF ZIRCONIA NOZZLE; CHARACTERISATION OF MAGNESIA-SPINEL REFRACTORIES.

LANGUAGES : BENGALI, HINDI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 19 CONSULTANCY - 6, TESTING - 12.

5596

SHRI A K BOSE; (B. JANUARY 20, 1935),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA. SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - JADAVPUR '64; M.SC. PHYSICS - JADAVPUR '66; PH.D. PHYSICS - JADAVPUR '77; CERTIFICATE IN COMPUTER SCIENCE; CERTIFICATE IN GERMAN LANGUAGE.

SPECIALIZATIONS : NUCLEAR PHYSICS; CRYSTAL GROWTH; INFRARED SPECTROSCOPY; REFRACTORIES; ENGINEERING CERAMICS; FRACTURE MECHANICS.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1967-88; (ALSO HIGHER RESEARCH, W. GERMANY, 1973-75); SCIENTIST EI, C.G.C.R.I. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : RESEARCH; R & D MANAGEMENT IN FRACTURE MECHANICS AND INFORMATION PROCESSING; TEACHING.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, ENGLAND, FRANCE, ITALY, DENMARK, HOLLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 38, ARTICLES - 2, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 11, TECH. DEV. - 4, PILOT PLANT - 1.

5597

SHRI SACHIDANANDA CHAKRABORTI; (B. DECEMBER 1, 1944),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - JADAVPUR '64; M.SC. PHYSICAL CHEMISTRY - JADAVPUR '66.

SPECIALIZATIONS : GLASS AND CERAMICS.

EXPERIENCE : LECTURER, KRISHNAGAR WOMEN'S COLLEGE, 1966-67; J.R.F., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1967-88; SCIENTIST EI, C.G.C.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 3.
PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, PILOT PLANT - 5, TEACHING - 1.

5598

DR AKSHAY KUMAR CHAKRABORTY; (B. NOVEMBER 18, 1949),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : M.TECH. GLASS & CERAMICS - CALCUTTA '70; PH.D. GLASS & CERAMICS - CALCUTTA '76.

SPECIALIZATIONS : CLAY MINERALOGY; REFRACTORIES; CEMENT TECHNOLOGY.

EXPERIENCE : S.S.A., R.R.L., JORHAT, 1971-77; SCIENTIST B, N.M.L., 1977-78; SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1978-88; SCIENTIST EI, C.G.C.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, PATENTS TAKEN - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 9, APP. RES. - 9.

5599

DR DIPAK CHAKRABORTY; (B. MAY 6, 1942),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - JADAVPUR '64; M.SC. PHYSICS - JADAVPUR '66; PH.D. PHYSICS - JADAVPUR '77; CERTIFICATE IN COMPUTER SCIENCE; CERTIFICATE IN GERMAN LANGUAGE.

SPECIALIZATIONS : NUCLEAR PHYSICS: CRYSTAL GROWTH; INFRARED SPECTROSCOPY; REFRACTORIES; ENGINEERING CERAMICS; FRACTURE MECHANICS.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1967-88; (ALSO HIGHER RESEARCH, W. GERMANY, 1973-75 AND 1989); SCIENTIST EI, C.G.C.R.I. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : RESEARCH, R & D MANAGEMENT IN FRACTURE MECHANICS AND INFORMATION PROCESSING, GUIDING OF PH.D. WORK.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, ENGLAND, FRANCE, ITALY, DENMARK, HOLLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 40; ARTICLES - 2, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 11, TECH. DEV. - 4, PILOT PLANT - 1.

5600

DR AHINDRA KUMAR CHAUDHURI; (B. NOVEMBER 14, 1941),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - CALCUTTA '63; M.SC. PHYSICS - CALCUTTA '65; DIPLOMA IN INDUSTRIAL PHYSICS - I.I.T., KHARAGPUR '67; PH.D. PHYSICS - I.I.T., KHARAGPUR '75.

SPECIALIZATIONS : GLASS AND CERAMICS.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1974-86; SCIENTIST EI, C.G.C.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 28, TECH. REPORTS - 2, SCIENTIFIC BOOKS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APP. RES. - 12.

5601

DR A C DAS; (B. NOVEMBER 21, 1945),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - CALCUTTA '66; B.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '69; M.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '71; PH.D. RHEOLOGY & FLOW PROPERTIES OF CERAMIC RAW MATERIALS - CALCUTTA '75.

SPECIALIZATIONS : CERAMIC ENGINEERING; RHEOLOGY; REFRACTORIES.

EXPERIENCE : TEACHER, VIDYASAGAR COLLEGE, CALCUTTA, 1966-67; P.G. TRAINEE, BENGAL CERAMIC INSTITUTE, CALCUTTA, 1971-72; S.T.A., GEOLOGICAL SURVEY OF INDIA, 1972-73; MANAGEMENT TRAINEE, ASSISTANT MANAGER (PRODUCTION) AND ASSISTANT MANAGER (R&D), BELPAHAR (TATA) REFRACTORIES LTD., ORISSA, 1973-77; SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1977-88; SCIENTIST EI, C.G.C.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN REFRACTORIES; CONSULTANCY AND SPONSORED RESEARCH.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 2, CONSULTANCY REPORTS - 1, REVIEWS - 5, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 2.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 8, CONSULTANCY - 2, R & D MANAGEMENT - 5, PRODN. - 4.

5602

SHRI SAILENDRA KUMAR DAS; (B. JANUARY 1, 1935),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : M.SC. APPLIED GEOLOGY - JADAVPUR '61.

SPECIALIZATIONS : GLASS SCIENCE AND TECHNOLOGY.

EXPERIENCE : J.R.F., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1962-91; (ALSO TRAINING IN GLASS

CRYSTALLISATION, HUNGARY, 1972); SCIENTIST EI, C.G.C.R.I. SINCE NOVEMBER, 1991.

PRESENT ACTIVITIES : R & D IN GLASS, GLASS CERAMICS AND SPECIAL GLASSES.

LANGUAGES : BENGALI, ENGLISH, HINDI.

VISITED : HUNGARY, USSR.

PUBLICATIONS & PATENTS : RES PAPERS - 25, PATENTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 26, CONSULTANCY - 2.

5603

SHRI SAMIR KUMAR DAS; (B. JANUARY 13, 1945),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - CALCUTTA '66; B.TECH. CHEMICAL ENGINEERING & TECHNOLOGY - CALCUTTA '68; M.TECH. CERAMIC TECHNOLOGY - CALCUTTA '69.

SPECIALIZATIONS : REFRACTORY TECHNOLOGY.

EXPERIENCE : ASSISTANT TECHNOLOGIST, FERTILISER CORPORATION OF INDIA LTD., SINDRI, 1970-74; SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1974-85; SCIENTIST EI, C.G.C.R.I. SINCE APRIL, 1985.

PRESENT ACTIVITIES : R & D IN REFRACTORY TECHNOLOGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, PATENTS - 3, TECH. REPORT - 2, PROCESS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, DESIGN - 12, CONSULTANCY - 4, CONSTRUCTION - 12, OPERATION - 12, TESTING AND QUALITY CONTROL - 4.

5604

SHRI KAMAL DASGUPTA; (B. JUNE 1, 1954),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.E. ELECTRONICS & TELECOMMUNICATION - JADAVPUR '76; M.TECH. ELECTRONICS & COMMUNICATION - I.I.T., KANPUR '78.

SPECIALIZATIONS : COMMUNICATION ENGINEERING; COMMUNICATION FIBRE; MICROWAVE INTEGRATED CIRCUITS.

EXPERIENCE : DESIGN ENGINEER, AVIONICS DESIGN BUREAU, H.A.L., HYDERABAD, 1978-82; SENIOR ENGINEER, DEVELOPMENT CONSULTANT PVT. LTD., CALCUTTA, 1982-86; (ALSO TRAINING ON PROCESS CONTROL COMPUTERS, MORTORDA INC., U S A, 1985); SCIENTIST C, C.G.C.R.I., 1986-89; SCIENTIST EI, C.G.C.R.I. SINCE MARCH, 1989.

PRESENT ACTIVITIES : R & D IN COMMUNICATION FIBRE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U S A

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 2, DESIGN - 6.

5605

DR RAVINDRA NATH DWIVEDI; (B. SEPTEMBER 1, 1946),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. CERAMIC ENGINEERING - B.H.U. '69; PH.D. CERAMIC ENGINEERING - B.H.U. '75.

SPECIALIZATIONS : GLASS SCIENCE.

EXPERIENCE : POST DOCTORAL RESEARCH IN GLASS TECHNOLOGY, 1975-77; SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1977-88; SCIENTIST EI, C.G.C.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN GLASS, GLASS CERAMICS AND SPECIAL GLASSES.

LANGUAGES : HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, PATENTS TAKEN - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 16.

5606

SHRI ASIT KUMAR MAITRA; (B. NOVEMBER 21, 1938),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '58; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '64; CERTIFICATE IN GERMAN - SCHOOL OF FOREIGN LANGUAGES, MINISTRY OF DEFENCE, NEW DELHI.

SPECIALIZATIONS : GLASS TECHNOLOGY; ANALYTICAL CHEMISTRY; FIBRE GLASS COMPOSITION; MECHANICAL CHARACTERISATION OF MATERIALS.

EXPERIENCE : J.L.A., S.L.A. AND J.S.A., C.M.R.S., DHANBAD 1959-64; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1964-88; SCIENTIST EI, C.G.C.R.I. SINCE JUNE, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 10.

AWARDS & DISTINCTIONS : DEOKARAN AWARD FOR BEST PAPER ON GLASS, INDIAN CERAMIC SOCIETY, 1985-86.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 17, APP. RES. - 15.

5607

SHRI BARUNDEB MUKHERJEE; (B. NOVEMBER 22, 1950),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH) CERAMIC TECHNOLOGY - CALCUTTA '69.

SPECIALIZATIONS : CERAMIC TECHNOLOGY.

EXPERIENCE : ASSISTANT FOREMAN, BHILAI STEEL PLANT, BHILAI, 1975-76; JUNIOR RESEARCH ENGINEER AND RESEARCH ENGINEER, R & D CENTRE, SAIL, RANCHI, 1977-83; SCIENTIST C, C.G.C.R.I. 1983-88; SCIENTIST EI, C.G.C.R.I. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : R & D IN ZIRCONIA CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 5, PATENTS TAKEN - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 15, DESIGN - 4, OPERATION - 1, TECHNOLOGY TRANSFER - 3, EDITING - 1.

5608

DR SUDHIR KUMAR MUKHERJEE; (B. MAY 1, 1935),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '55; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '65; PH.D. CHEMISTRY - I.S.M., DHANBAD '85.

SPECIALIZATIONS : CHEMISTRY; COAL SCIENCE; PETROLEUM SCIENCE.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, CGCRI, 1961-88; SCIENTIST EI, C.G.C.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH IN GLASS & CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 2, ARTICLES - 7, PATENTS TAKEN - 2.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF CHEMISTS (INDIA).

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, TEACHING - 3, DOCUMENTATION - 4.

5609

SHRI BHUPENDRA NATH PANTI; (B. JULY 26, 1935),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - CALCUTTA '56; CERTIFICATE IN FUELS AND FURNACES - JADAVPUR '79; CERTIFICATE IN FUEL EFFICIENCY IN PROCESS INDUSTRIES - JADAVPUR '82; CERTIFICATE IN ENERGY MANAGEMENT-N.I.T.I.E., BOMBAY '80; A.I.I.CERM - INDIAN INSTITUTE OF CERAMICS '83 (BY EXAM.).

SPECIALIZATIONS : REFRACTORY TECHNOLOGY; FUEL AND FURNACE TECHNOLOGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1957-88; (ALSO TRAINING IN FUELS AND FURNACES, TECHNICAL UNIVERSITY OF HEAVY INDUSTRIES, MISKOLC, HUNGARY, 1975-76); SCIENTIST EI, C.G.C.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D ON REFRACTORIES AND PRODUCTION OF OPTICAL GLASS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : HUNGARY.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 6, ARTICLES - 10, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 3.

AWARDS & DISTINCTIONS : GANPULE AWARD FOR "IMPROVEMENT ON LOW THERMAL MASS POTTERY KILN, INDIAN CERAMIC SOCIETY, 1985-86.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 33, DESIGN - 4, TECH. DEV. - 5, PILOT PLANT - 5, CONSULTANCY - 3, R & D MGMT. - 3, CONSTRUCTION - 2, OPERATION - 5, TESTING - 10, QUALITY CONTROL - 10, MAINTENANCE - 10, PRODUCTION - 10, SURVEY OF NATURAL RESOURCES - 5.

5610

SHRI NIHARENDU ROY; (B. OCTOBER 1, 1937),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '58; DIPLOMA IN HIGH VACUUM TECHNOLOGY - I.I.T., BOMBAY '67; A.I.C. SILICATE & FUEL TECHNOLOGY - INSTITUTION OF CHEMISTS (INDIA) '72.

SPECIALIZATIONS : VITREOUS ENAMELS; HIGH TEMPERATURE PROTECTIVE CERAMIC COATINGS; GLASS AND CERAMIC COLOURS; COMMON CLAY GLAZED WALL AND TILES AND FLOOR TILES.

EXPERIENCE : S.L.A., J.S.A., S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1960-88; SCIENTIST EI, C.G.C.R.I. SINCE JUNE, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 16, ARTICLES - 4, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 7, PROCESSES UNDER UTILISATION - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., TECH. DEV., PILOT PLANT, TESTING, QUALITY CONTROL AND PRODUCTION (TOTAL: 30).

5611

DR SAMIR KUMAR ROY; (B. JULY 14, 1937),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '59; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '66; PH.D. APPLIED CHEMISTRY - I.S.M. '84.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY; CHEMICAL ANALYSIS.

EXPERIENCE : JUNIOR ASSISTANT CHEMIST, M/S MITRA S.K.(P)LTD., CALCUTTA, 1960-65; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1965-88; SCIENTIST EI, C.G.C.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 40, ARTICLES - 12, BOOKS - 1.

AWARDS & DISTINCTIONS : GANPULE AWARD FOR MERITORIOUS WORK IN ANALYTICAL CHEMISTRY OF CERAMIC MATERIALS, INDIAN CERAMIC SOCIETY, 1978; FELLOW, INSTITUTION OF CHEMISTS (INDIA), 1984.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 25, APP. RES. - 25, TESTING - 30, QUALITY CONTROL - 30.

5612

SHRI M R SAHA; (B. JULY 1, 1935),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '54; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '65; PRAGYA IN HINDI '69; PRAVEEN IN HINDI '69.**SPECIALIZATIONS :** CHEMICAL ANALYSIS; ANALYTICAL CHEMISTRY.**EXPERIENCE :** LABORATORY ASSISTANT, SAHA INSTITUTE OF NUCLEAR PHYSICS, CALCUTTA, 1955-56; S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1956-87; SCIENTIST EI, C.G.C.R.I. SINCE APRIL, 1987.**PRESENT ACTIVITIES :** R & D.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 4.**PROFESSIONAL EXPERIENCE (IN YEARS) :** BASIC RES. - 6, APP. RES. - 6, TESTING - 36.

5613

DR(MRS) MANJUSREE SAHA; (B. FEBRUARY 26, 1948),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '68; M.SC. INORGANIC CHEMISTRY - CALCUTTA '70; PH.D. PURE CHEMISTRY - CALCUTTA '76.**SPECIALIZATIONS :** THICK FILMS; METALLIZED CERAMICS; MATERIALS SCIENCE; MATERIALS FOR PASSIVE DEVICES.**EXPERIENCE :** S.R.F., C.G.C.R.I., 1975-77; S.S.A., SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1977-89; SCIENTIST EI, C.G.C.R.I. SINCE FEBRUARY, 1989.**PRESENT ACTIVITIES :** R & D IN ELECTRONIC MATERIALS.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 6, TECH. REPORTS - 2, ABSTRACTS - 2, PROCESSES DEVELOPED - 2, PATENT - 1.**PROFESSIONAL EXPERIENCE (IN YEARS) :** BASIC RES. - 5, APP. RES. - 11.

5614

DR(MRS) SUCHITRA SEN; (B. JANUARY 3, 1950),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - I.I.T., KHARAGPUR '69; M.SC. PHYSICS - I.I.T., KHARAGPUR '71; PH.D. PHYSICS - CALCUTTA '77.**SPECIALIZATIONS :** ELECTRON MICROSCOPY AND X-RAY DIFFRACTION; THIN FILM DEPOSITION AND CHARACTERISATION; HIGH VACUUM TECHNOLOGY; SYNTHESIS OF CERAMIC AND GLASS CERAMIC MATERIALS BY SOL-GEL METHOD.**EXPERIENCE :** POST-DOCTORAL RESEARCH ASSOCIATE, UNIVERSITY OF PITTSBURGH, U S A, 1978-80; VISITING SCI-

ENTIST, STATE UNIVERSITY OF NEW YORK, U S A, 1980-81; POOL OFFICER (CSIR), I.A.C.S., CALCUTTA, 1981-82 SCIENTIST C, C.G.C.R.I 1982-1988; SCIENTIST EI, C.G.C.R.I. SINCE APRIL, 1988; (ALSO DEPUTED TO FRANCE FOR AN EXCHANGE PROGRAMME UNDER CSIR-CNRS SCHEME, 1989).

PRESENT ACTIVITIES : R & D IN NUCLEATION AND CRYSTALLISATION OF GELS AND GLASSES; SYNTHESIS, CHARACTERISATION AND SINTERING OF CORDIERITE BY SOL-GEL; SUPERVISION OF INFRASTRUCTURAL FACILITIES VIZ. TRANSMISSION & SCANNING ELECTRON MICROSCOPES, VACUUM & SPUTTER COATERS AND IRON BEAM THINNING APPARATUS.**LANGUAGES :** BENGALI, HINDI, ENGLISH, FRENCH.**VISITED :** U S A, CANADA, FRANCE.**PUBLICATIONS & PATENTS :** RES. PAPERS - 30.**AWARDS & DISTINCTIONS :** MEMBER, SIGMA XI, THE SCIENTIFIC RESEARCH SOCIETY OF AMERICA, 1979; FIRST PRIZE IN SCANNING ELECTRON MICROSCOPE CONTEST, ELECTRON MICROSCOPE SOCIETY OF INDIA, 1982.**PROFESSIONAL EXPERIENCE (IN YEARS) :** BASIC RES. - 10, APP. RES. - 9, OPERATION AND TESTING - 9.

5615

SHRI TAPANKAR SEN; (B. JULY 9, 1938),

SCIENTIST EI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '56; DIPLOMA IN BUSINESS ADMINISTRATION - LIVERPOOL UNIVERSITY, U.K. '61; DIPLOMA IN WORK STUDY - INSTITUTE OF WORK STUDY, U.K. '61; GRADUATE - INSTITUTE OF WORK STUDY, U.K. '62.**SPECIALIZATIONS :** R & D MANAGEMENT; MANAGEMENT OF INFORMATION SERVICE; MANAGEMENT OF TRAINING PROGRAMMES.**EXPERIENCE :** ASSISTANT, CALCUTTA UNITED ENGINEERS (P) LTD., CALCUTTA 1956-59; WORK STUDY TRAINEE, STEWARTS AND LLOYDS LTD., GLASGOW, U.K., 1961; TRAINEE MANAGER, APPLETON HOUSEHOLD STORES LTD., LIVERPOOL, U.K., 1961-63; JUNIOR OFFICER, BRITISH TRANSPORT COMMISSION (BRITISH RAILWAYS), U.K., 1963-64; SENIOR EXECUTIVE, CALCUTTA UNITED ENGINEERS (P) LTD., CALCUTTA, 1964-66; SCIENTIST B AND SCIENTIST C, C.G.C.R.I., 1966-88; SCIENTIST EI, C.G.C.R.I. SINCE MARCH, 1988.**PRESENT ACTIVITIES :** MANAGEMENT OF VARIOUS TRAINING PROGRAMMES.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**VISITED :** W. GERMANY, FRANCE, SWITZERLAND, NORWAY, ITALY, U.A.R., LEBANON, U.K.**PROFESSIONAL EXPERIENCE (IN YEARS) :** R & D MGMT. - 12, PRODN. - 6, SALES MARKETING - 4, ADMN. - 5, MANAGEMENT OF TRAINING PROGRAMMES - 5.

5616

DR SIDDHARTHA BANDYOPADHYAY; (B. APRIL 24, 1960),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH) CERAMIC TECHNOLOGY - CALCUTTA '79; PH.D. METALLURGICAL ENGINEERING - JADAVPUR '88.

SPECIALIZATIONS : CERAMIC TECHNOLOGY; MATERIALS SCIENCE.

EXPERIENCE : GRADUATE TRAINEE, MAITHAN CERAMICS PVT. LTD., 1979; GRADUATE APPRENTICE, HINDUSTAN NATIONAL GLASS LTD., 1979-80; S.S.A., TECHNICAL OFFICER (A) AND SCIENTIST B, C.G.C.R.I., 1980-88; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN NON-OXIDE CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APPLIED RES. - 10, PRODUCTION - 2.

5617

SHRI G BANERJEE; (B. OCTOBER 20, 1956),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5618

MISS REBA BANERJEE; (B. MARCH 8, 1937),

DOCUMENTATION OFFICER (C), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '56; DIP. LIB.SC. - CALCUTTA '67; CERTIFICATE IN GERMAN - CALCUTTA C.O. '68; HINDI PRAVEEN - DELHI '76; MANAGEMENT IN CONSERVATION OF DOCUMENT.

SPECIALIZATIONS : LIBRARY MANAGEMENT.

EXPERIENCE : JUNIOR LIBRARIAN, C.B.G., CALCUTTA, 1959-62; JUNIOR LIBRARIAN, SENIOR LIBRARIAN, SENIOR DOCUMENTATION ASSISTANT, DOCUMENTATION OFFICER (A) AND DOCUMENTATION OFFICER (B), CGCRI, CALCUTTA, 1962-88; DOCUMENTATION OFFICER (C), CGCRI, CALCUTTA SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : LIBRARY MANAGEMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PROFESSIONAL EXPERIENCE(IN YEARS) : LIBRARY MANAGEMENT - 29.

5619

SHRI SILARAM BANERJEE; (B. JANUARY 25, 1936),

SCIENTIST CI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : DRAUGHTSMANSHIP (TECHNICAL) - JADAVPUR '56; B.SC. - CALCUTTA '77.

SPECIALIZATIONS : CERAMICS.

EXPERIENCE : J.T.A., S.T.A., SCIENTIST AI AND SCIENTIST BI, C.G.C.R.I., 1965-85; SCIENTIST CI, C.G.C.R.I. SINCE FEBRUARY, 1985.

PRESENT ACTIVITIES : TECHNICAL SUPERVISION.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL SUPERVISION - 29.

5620

SHRI SHO VAN CHANDRA BARAL; (B. NOVEMBER 19, 1939),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '62; DIP. IN CERAMIC TECHNOLOGY - DIRECTORATE OF INDUSTRIES, WEST BENGAL '64; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '73; B.SC.(TECH) CERAMICS - CALCUTTA '78; PRAVIN IN HINDI, 1971; PRAGYA IN HINDI, 1972.

SPECIALIZATIONS : CERAMICS; CHEMISTRY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., TECHNICAL OFFICER (A) AND SCIENTIST B, C.G.C.R.I., 1965-88; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : EVALUATION, BENEFICIATION AND UTILISATION OF CERAMIC RAW MATERIALS; R & D WORK IN CONNECTION WITH CERAMIC PROBLEMS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 4, ARTICLES - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, CONSULTANCY - 6, TESTING - 24.

5621

SHRI ASHIM KUMAR BASU; (B. JUNE 19, 1951),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - JADAVPUR '73; M.E. CONTROL ENGINEERING - JADAVPUR '90.

SPECIALIZATIONS : CHEMICAL ENGINEERING; PROJECT ENGINEERING; MEASUREMENT AND CONTROL.

EXPERIENCE : J.R.F., S.S.A., TECHNICAL OFFICER (A) AND SCIENTIST B, C.G.C.R.I., 1976-88; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN FURNACE TECHNOLOGY, AND POLLUTION CONTROL.

LANGUAGES : BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1, PUBLICATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11, PROJECT ENGG. - 4.

5622

SHRI DEBABRATA BASU; (B. MAY 22, 1960),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH) CERAMIC TECHNOLOGY - CALCUTTA '82; M.TECH. MATERIALS SCIENCE - I.I.T., KANPUR '84.

SPECIALIZATIONS : MATERIALS SCIENCE; OXIDE CERAMICS; SUPERHARD CERAMICS; CUTTING TOOLS.

EXPERIENCE : RESEARCH ENGINEER, WIDIA (INDIA) LTD., BANGALORE, 1984-86; RESEARCH ENGINEER, LARSEN & TOUBRO LTD., BOMBAY, 1986-87; SCIENTIST C, CGCRI SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN TECHNICAL AND BIO CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, RES. REPORT - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 5.

5623

SHRI SAMIR KUMAR BASU; (B. APRIL 1, 1940),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. (DISTINCTION) - CALCUTTA '61; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '66.

SPECIALIZATIONS : ALUMINA CERAMICS; POROUS CERAMICS; MATERIALS CHARACTERIZATION.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1962-86; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PUBLICATIONS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, TESTING - 28.

5624

SHRI SHYAMAL KUMAR BHADRA; (B. MARCH 1, 1954),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - NORTH BENGAL '74; M.SC. PHYSICS - NORTH BENGAL '76.

SPECIALIZATIONS : ELECTRONICS AND SOLID STATE PHYSICS; PLASMA PHYSICS; VACUUM TECHNOLOGY; INSTRUMENTATION.

EXPERIENCE : RESEARCH FELLOW, NORTH BENGAL UNIVERSITY, 1978-80; P.G. TRAINING, BARC, 1978-79; SERVICING & MAINTENANCE ENGINEER, CARL ZEISS INSTRUMENTS, CALCUTTA, 1980-84 SCIENTIST B, 1984-88; SCIENTIST C, C.G.C.R.I. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : R & D IN OPTICAL COMMUNICATION FIBER.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 5, MAINTENANCE - 4.

5625

DR SYAMAL KANTI BHATTACHARYA; (B. JANUARY 4, 1946),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - CALCUTTA '66; M.SC. PHYSICS - CALCUTTA '68; PH.D. PHYSICS - CALCUTTA '74.

SPECIALIZATIONS : VACUUM TECHNOLOGY; MASS SPECTROMETRY.

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1974-86; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN THE FIELD OF GLASS AND LASER GLASS

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 13.

5626

SHRI B R BISWAS; (B. MARCH 1, 1941),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : M.SC. MATHEMATICS - CALCUTTA '64.

SPECIALIZATIONS : R & D MANAGEMENT; INFORMATION DISSEMINATION; TECHNOLOGY TRANSFER; BUILDING MATERIALS AND FOUNDATION ENGINEERING.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, R.R.L., JORHAT, 1966-81; SCIENTIST B, C.G.C.R.I., 1981-84; SCIENTIST C, C.G.C.R.I. SINCE 1984.

PRESENT ACTIVITIES : R & D MANAGEMENT AND TECHNOLOGY TRANSFER.

LANGUAGES : BENGALI, ASSAMESE, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 20

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MANAGEMENT - 16, APP. RES. - 9, TECHNOLOGY TRANSFER - 10, PATENTS - 10, INFORMATION DISSEMINATION - 16.

5627

SHRI KALYAN KUMAR BISWAS; (B. DECEMBER 2, 1937),

SCIENTIST CI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : CERTIFICATE IN CERAMIC TECHNOLOGY - COLLEGE OF CERAMIC TECHNOLOGY, W. BENGAL '57; B.SC. - CALCUTTA '62.

SPECIALIZATIONS : VITREOUS ENAMELS ON METALS; CERAMIC GLASS COLOURS AND HIGH TEMPERATURE STAINS.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.T.A., SCIENTIST A AND SCIENTIST BI, C.G.C.R.I., 1957-85; SCIENTIST CI, C.G.C.R.I. SINCE JULY, 1985.

PRESENT ACTIVITIES : R & D ON GLASS AND ENAMELS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. PAPERS - 12, PATENTS - 1, PROCESSES DEVELOPED - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27, TECH. DEV. - 33, TESTING - 33, QUALITY CONTROL - 33, PRODUCTION - 33.

5628

SHRI N C BISWAS; (B. JANUARY 16, 1957),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH.) CERAMIC TECHNOLOGY - CALCUTTA '78; M.TECH. MATERIALS SCIENCE - I.I.T., KANPUR '80.

SPECIALIZATIONS : CERAMIC TECHNOLOGY; GLASS AND CERAMICS.

EXPERIENCE : SCIENTIST B, C.G.C.R.I., 1980-85; SCIENTIST C, C.G.C.R.I. SINCE AUGUST, 1985.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 8.

5629

MRS NISHA BISWAS; (B. JUNE 24, 1954),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : M.SC. PHYSICS - AGRA '76.

SPECIALIZATIONS : OPTICAL GLASS; GLASS CERAMICS; SPECIAL GLASSES; ELECTRONICS.

EXPERIENCE : S.S.A., TECHNICAL OFFICER (A) AND SCIENTIST B, C.G.C.R.I., 1976-89; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D OF GLASS.

LANGUAGES : HINDI, BENGALI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 8.

5630

DR SAMPAD KUMAR BISWAS; (B. FEBRUARY 24, 1953),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - BURDWAN '71; M.SC. CHEMISTRY - NORTH BENGAL '73; PH.D. CHEMISTRY - CALCUTTA '83.

SPECIALIZATIONS : PHYSICAL CHEMISTRY; NON-OXIDE CERAMICS.

EXPERIENCE : J.R.F. AND S.R.F., 1975-80; S.S.A., TECHNICAL OFFICER (A), AND SCIENTIST B, C.G.C.R.I., 1980-88; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN HIGH TEMPERATURE MATERIALS.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 15.

5631

SHRI NRIPATI RANJAN BOSE; (B. OCTOBER 5, 1946),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '65; B.TECH. CHEMICAL - KANPUR '69; M.TECH. CHEMICAL - KANPUR '72; CERTIFICATE F.R.P. TECHNOLOGY - I.I.T., MADRAS '81; CERTIFICATE E.D.P. TRAINER MANAGEMENT - E.D.I.I., AHMEDABAD '91.

SPECIALIZATIONS : POLYMER SCIENCE; PAINTS; FIBRE-GLASS REINFORCED PLASTICS AND COMPOSITES PLY-WOOD.

EXPERIENCE : J.T.O., ALLIED RESINS & CHEMICALS LTD., CALCUTTA, 1974-76; TECHNICAL OFFICER, ANDAMAN TIMBER INDUSTRIES LTD., PORT BLAIR, 1976-79; TECHNICAL MANAGER, BIHAR PAINTS & PIGMENTS CO., BIHAR, 1979-80; WORKS MANAGER, DE NOVO ENTERPRISE, CALCUTTA, 1980-81; ASSISTANT ENGINEER, FIBROPLASTICHEM (I) PVT. LTD., CALCUTTA, 1981-82; SCIENTIST B, C.G.C.R.I., 1982-87; (ALSO TRAINING ON OPTICAL GLASS FIBRE IN SPECIAL GAS CONTROL, U.K. 1986); SCIENTIST C, C.G.C.R.I. SINCE APRIL, 1987.

PRESENT ACTIVITIES : R & D AND TRAINING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, PATENT - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 3, DESIGN - 1, QUALITY CONTROL - 3, PRODUCTION - 3, EDP TRAINING - 2.

5632

DR ARUN PRASAD CHATTERJEE; (B. JANUARY 20, 1951),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - CALCUTTA '70; M.SC. PHYSICS - DELHI '73; M.S. PHYSICS - LEHIGH UNIVERSITY, U S A '76; PH.D. PHYSICS - LEHIGH UNIVERSITY, U S A '83.

SPECIALIZATIONS : POINT DEFECTS IN SOLIDS; EPR & DLTS SPECTROSCOPY; ESCA/AUGER SPECTROSCOPY; LASER ANNEALING OF SOLIDS.

EXPERIENCE : RESEARCH ASSOCIATE AND LECTURER, MATERIALS SCIENCE CENTRE, I.I.T., KHARAGPUR, 1983-88; SCIENTIST C, CGCRI SINCE AUGUST, 1988.

PRESENT ACTIVITIES : R & D IN ELECTRONIC CERAMICS & ESCA/AUGER SPECTROSCOPY; GUIDING PH.D. WORK.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 15, RES. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APP. RES. - 4, R & D MGMT. - 2, TEACHING - 5, COMPUTER PROCESSING - 2.

5633

DR(MISS) MINATI CHATTERJEE; (B. JANUARY 2, 1952),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '71; M.SC. CHEMISTRY - JADAVPUR '76; PH.D. (SCIENCE) CHEMISTRY - JADAVPUR '84.

SPECIALIZATIONS : PHYSICAL CHEMISTRY; INORGANIC POLYMERS; SYNTHESIS OF MOLECULAR SIEVE ZEOLITES; SOL-GEL PROCESSING.

EXPERIENCE : S.L.A., J.S.A., S.T.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1972-88; SCIENTIST C, C.G.C.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN SOL-GEL PROCESSING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, PATENTS TAKEN - 1, ABSTRACTS - 1.

AWARDS & DISTINCTIONS : MALAVIYA AWARD FOR CONTRIBUTION IN BASIC SCIENCE, INDIAN CERAMIC SOCIETY, 1975, 1976.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 16, APP. RES. - 13.

5634

SHRI DEB DAS CHATTOPADHYAY; (B. FEBRUARY 13, 1944),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - BURDWAN '63.

SPECIALIZATIONS : CERAMICS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1965-85; SCIENTIST C, C.G.C.R.I. SINCE JULY, 1985.

PRESENT ACTIVITIES : R & D IN ELECTROCERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : DEOKARAN AWARD FOR BEST PAPER ON REFRACTORIES, INDIAN CERAMIC SOCIETY, 1981-85.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 10, DESIGN - 2, TESTING - 20.

5635

SHRI SANDIP KUMAR CHATTOPADHYAY; (B. NOVEMBER 12, 1946),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH.) CERAMICS - CALCUTTA '67.

SPECIALIZATIONS : ALUMINA CERAMICS; METALLIZED CERAMICS; ZIRCONIA CERAMICS; BIOCERAMICS.

EXPERIENCE : TRAINEE, J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1967-86; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D. IN CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 1, RES. REPORTS - 4, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20.

5636

SHRI P K CHOUDHURI; (B. JULY 14, 1937),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '57.

SPECIALIZATIONS : TECHNICAL EDITING; TECHNICAL PUBLICATION.

EXPERIENCE : S.L.A., C.M.E.R.I., DURGAPUR, 1965-68; J.T.A. AND S.T.A., C.D.R.I., 1968-74; S.T.A., SCIENTIST AI AND SCIENTIST BI, C.G.C.R.I., 1974-89; (ALSO TRAINING IN EDITING, PID, NEW DELHI); SCIENTIST C, C.G.C.R.I. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : EDITING AND PRODUCTION ASPECTS OF SCIENTIFIC PUBLICATIONS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PUBLICATIONS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : EDITING - 23.

5637

DR PRANAB CHOUDHURY; (B. AUGUST 28, 1953),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : M.SC. PHYSICS - CALCUTTA '78; PH.D. PHYSICS - CALCUTTA '86.

SPECIALIZATIONS : SOLID STATE PHYSICS; SPECTROSCOPY.

EXPERIENCE : RESEARCH FELLOW AND RESEARCH ASSOCIATE, SAHA INSTITUTE OF NUCLAR PHYSICS, 1978-88; SCIENTIST C, CGCRI SINCE MAY, 1988.

PRESENT ACTIVITIES : RESEARCH ON STRUCTURAL PHASE TRANSITION AND HI-TEMPERATURE SUPERCONDUCTIVITY; COMPUTER PROGRAMMING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 24.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, DESIGN - 2, TEACHING - 6, COMPUTER PROCESSING - 6.

5638

SHRI DINESH KUMAR DAS; (B. JANUARY 2, 1943),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.C.E. CIVIL - JADAVPUR '75; M.C.E. CIVIL - JADAVPUR '81.

SPECIALIZATIONS : CONSTRUCTION OF MULTISTOREYED BUILDINGS; ENVIRONMENTAL ENGINEERING; LOWCOST HOUSING; CONCRETE TECHNOLOGY.

EXPERIENCE : JUNIOR ENGINEER, C.P.W.D., 1965-78; CIVIL ENGINEER AND SCIENTIST B, C.G.C.R.I., 1978-88; SCIENTIST C, C.G.C.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : EVALUATION OF NONCONVENTIONAL BUILDING MATERIALS; CEMENT AND CONCRETE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 26, CONSTRUCTION - 26, MAINTENANCE - 14, ADMN. - 9.

5639

SHRI PRABAL KUMAR DAS; (B. OCTOBER 16, 1955),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. TECH. CERAMIC TECHNOLOGY - CALCUTTA '78; M.TECH. METALLURGICAL ENGINEERING - I.I.T., KANPUR '81; PH.D. CERAMIC ENGINEERING - CALCUTTA '90.

SPECIALIZATIONS : CERAMIC TECHNOLOGY.

EXPERIENCE : SCIENTIST B, C.G.C.R.I., 1981-86; SCIENTIST C, C.G.C.R.I. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : R & D IN NON-OXIDE CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 5.

AWARDS & DISTINCTIONS : MALAVIYA AWARD FOR CONTRIBUTION IN THE FIELD OF CERAMIC SCIENCE, INDIAN CERAMIC SOCIETY.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10.

5640

DR RANJIT DAS; (B. AUGUST 8, 1951),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '70; M.SC. PHYSICS - NORTH BENGAL '72; PH.D. PHYSICS - CALCUTTA '80.

SPECIALIZATIONS : SPECTROSCOPY; SOLID STATE PHYSICS; COMPUTER PROGRAMMING.

EXPERIENCE : SCIENTIST B, C.G.C.R.I., 1981-86; SCIENTIST C, C.G.C.R.I. SINCE NOVEMBER, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APPLIED RES. - 3, DOCUMENTATION - 1, COMPUTER MGMT. - 7.

5641

SHRI S C DAS; (B. JUNE 5, 1939),

SCIENTIST CI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '59.

SPECIALIZATIONS : OPTICAL GLASS.

EXPERIENCE : S.L.A., J.S.A., S.T.A., SCIENTIST AI AND SCIENTIST BI, C.G.C.R.I., 1961-85; SCIENTIST CI, C.G.C.R.I. SINCE JULY, 1985.

PRESENT ACTIVITIES : PROCESSING OF OPTICAL GLASS; DETERMINATION OF OPTICAL PROPERTIES OF GLASS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 27.

5642

DR SAILESH RANJAN DAS; (B. SEPTEMBER 25, 1936),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '57; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '70; PH.D. APPLIED CHEMISTRY - M.I.I. CERAM '87.

SPECIALIZATIONS : CHEMISTRY; CERAMIC TECHNOLOGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1961-81; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, RES. REPORTS - 4, PROCESSES DEVELOPED - 7, PROCESSES UNDER UTILISATION - 3, PATENT - 1.

AWARDS & DISTINCTIONS : GANPULE AWARD, 1977-78.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES - 7, APPLIED RES. - 23.

5643

SHRI AMIT DASGUPTA; (B. JANUARY 4, 1952),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH) CERAMIC TECHNOLOGY - CALCUTTA '71.

SPECIALIZATIONS : CERAMICS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, CGCRI, 1972-87; SCIENTIST C, CGCRI SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, ABSTRACT REPORTS - 2, ARTICLES - 1, RES. REPORT - 1, TECH. REPORT - 2, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 1, PATENT - 1, ABSTRACT - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 16, TESTING - 3, CONSULTANCY - 1.

5644

DR SOMESWAR DATTA; (B. JANUARY 6, 1953),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - BURDWAN '73; M.SC. CHEMISTRY - I.I.T., KHARAGPUR '76; PH.D. CHEMISTRY - I.I.T., KANPUR '81.

SPECIALIZATIONS : VITREOUS ENAMELS; GLASS-METAL, MICRO-COMPOSITE AND MAGNETO-GLASS CERAMICS; ELECTROPHORETIC COATINGS.

EXPERIENCE : RESEARCH ASSOCIATE, I.I.T., KANPUR, 1981-88; SCIENTIST C, C.G.C.R.I SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN GLASS CERAMIC COATINGS AND ELECTROPHORETIC TECHNIQUES FOR COATING; BASIC RESEARCH ON MATERIALS DEVELOPMENT AND COATING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 21, PATENTS FILED - 2, PROCESSES DEVELOPED - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APPLIED RES. - 6, TESTING - 6, TEACHING - 1.

5645

SHRI ASOK KUMAR DE; (B. JANUARY 15, 1946),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '65; A.I.C. SILICATE CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '73; COMPUTER PROGRAMMING IN BASIC - JADAVPUR '87.

SPECIALIZATIONS : GLASS TECHNOLOGY; COMPOSITE MATERIALS.

EXPERIENCE : CHEMIST, TATA FISON INDUSTRIES LTD., CALCUTTA, 1967-69; S.L.A., J.S.A., S.S.A., TECHNICAL OFFICER (A) AND SCIENTIST B, C.G.C.R.I., 1969-87; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN GLASS AND COMPOSITE MATERIALS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, PATENT - 1, APPLIED RES. - 8, QUALITY CONTROL - 3, COMPUTER PROCESSING - 1.

5646

SHRI SUKHENDU DEB; (B. OCTOBER 1, 1954),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.E. MECHANICAL - NORTH BENGAL '75; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS, INDIA '79; DIPLOMA IN EXPORT MANAGEMENT - INTERNATIONAL EXPORT ASSOCIATION, U.K. '79.

SPECIALIZATIONS : COMPOSITE MATERIALS AND CERAMICS.

EXPERIENCE : SCIENTIST/ENGR. SB, VIKRAM SARABHAI SPACE CENTRE, I.S.R.O., TRIVANDRUM, 1977-82; SCIENTIST B, C.G.C.R.I., 1982-87; SCIENTIST C, C.G.C.R.I. SINCE MARCH, 1987.

PRESENT ACTIVITIES : R & D OF COMPOSITE MATERIALS AND CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : ITALY, BANGLADESH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 2, ARTICLES - 3, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 8, DESIGN - 1, QUALITY CONTROL - 1.

5647

DR RADHABALLABH DEBNATH; (B. OCTOBER 6, 1949),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '70; M.SC. CHEMISTRY - JADAVPUR '74; PH.D. MOLECULAR SPECTROSCOPY - JADAVPUR '83.

SPECIALIZATIONS : MOLECULAR SPECTROSCOPY; LASER GLASS; LASER SPECTROSCOPY.

EXPERIENCE : SENIOR RESEARCH SCHOLAR AND RESEARCH ASSOCIATE, 1976-84; RESEARCH ASSOCIATE, CGCRI, 1984-85; VISITING RESEARCH SCIENTIST, NAGOYA INSTITUTE OF TECHNOLOGY, JAPAN, 1985-86; POOL OFFICER (CSIR), C.G.C.R.I., 1986-87; SCIENTIST C, C.G.C.R.I. SINCE MARCH, 1987.

PRESENT ACTIVITIES : R & D IN LASER MATERIALS AND DOSIMETRIC MATERIALS.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN, JAPANESE.

VISITED : JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, ARTICLES - 1, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APPLIED RES. - 4.

5648

SHRI D C DEY; (B. APRIL 1, 1937),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '57; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '72.

SPECIALIZATIONS : PRODUCTION OF OPTICAL GLASS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1960-83; SCIENTIST C, C.G.C.R.I. SINCE JUNE, 1983.

PRESENT ACTIVITIES : PRODUCTION AND PROCESSING OF OPTICAL GLASS.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT, PRODUCTION AND PROCESSING OF OPTICAL GLASS - 30.

5649

DR KAJAL KUMAR DHARGUPTA; (B. JANUARY 29, 1943),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - CALCUTTA '63; B.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '65; M.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '67; PH.D. CHEMICAL TECHNOLOGY - CALCUTTA '84.

SPECIALIZATIONS : SILICATE TECHNOLOGY.

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1969-84; SCIENTIST C, C.G.C.R.I. SINCE AUGUST, 1984.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 13, APPLIED RES. - 22.

5650

DR SANKAR GHATAK; (B. DECEMBER 23, 1951),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : M.TECH. CHEMICAL ENGINEERING AND CHEMICAL TECHNOLOGY - CALCUTTA '74; PH.D. APPLIED CHEMISTRY - CALCUTTA '78.

SPECIALIZATIONS : GLASS AND CERAMICS.

EXPERIENCE : RESEARCH FELLOW, UNIVERSITY GRANTS COMMISSION, 1975-78; RESEARCH ENGINEER, STEEL AUTHORITY OF INDIA LTD., 1978; LECTURER, N.A. COLLEGE, CALCUTTA, 1978-80; SCIENTIST B, C.G.C.R.I., 1980-85; SCIENTIST C, C.G.C.R.I. SINCE MAY, 1985.

PRESENT ACTIVITIES : R & D, TEACHING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 1, PATENT - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 8, DESIGN - 1, TEACHING - 2.

5651

SHRI AMITABHA GHOSH; (B. OCTOBER 15, 1948),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - JADAVPUR '71.

SPECIALIZATIONS : HISTORY OF TECHNOLOGY.

EXPERIENCE : S.T.A. AND SCIENTIST A, BIRLA INDUSTRIAL & TECHNOLOGY MUSEUM, CALCUTTA, 1972-83; SCIENTIST A, S&M CENTRE, C.S.I.O., 1983-84; SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1984-86; SCIENTIST C, C.G.C.R.I. SINCE FEB, 1986.

PRESENT ACTIVITY : MECH WORKSHOP SUPERVISION.

LANGUAGES : BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : POPULAR SCIENCE BOOKS - 7, HISTORY OF TECHNOLOGY - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN PROTOTYPES - 6, MAINTENANCE - 18, RESEARCH IN MODERN TECHNOLOGY - 18.

5652

SHRI ARUP GHOSH; (B. SEPTEMBER 23, 1956),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH) CERAMIC TECHNOLOGY - CALCUTTA '79.

SPECIALIZATIONS : CERAMIC TECHNOLOGY.

EXPERIENCE : PLANT TRAINEE, MAITHAN CERAMIC (P) LTD., DHANBAD, 1979-80; JUNIOR MANAGER (R & D), BOKARO STEEL PLANT (SAIL), SCIENTIST B, 1980-88; SCIENTIST C, C.G.C.R.I SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN REFRACTORIES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 1, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APP. RES. - 4.

5653

SHRI B N GHOSH; (B. AUGUST 12, 1938),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '57; A.I.C CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '67.

EXPERIENCE : CHEMIST, B.P. GUPTA'S LABORATORY, CALCUTTA, 1957-58; SUPERVISOR, BHARAT BATTERY, 1958-59; SUPERVISOR, HINDUSTAN DEVELOPMENT CORPORATION, 1961-62; S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1962-87; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : TESTING AND PRODUCTION.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APPLIED RES. - 13, TESTING - 12, QUALITY CONTROL - 5, PRODUCTION - 10.

5654

SHRI BISHNUPADA GHOSH; (B. JANUARY 4, 1947),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA; M.SC. PURE CHEMISTRY - CALCUTTA.

SPECIALIZATIONS : MATERIALS SCIENCE; BUILDING MATERIALS.

EXPERIENCE : J.R.F., S.S.A., TECHNICAL OFFICER (A) AND SCIENTIST B, C.G.C.R.I., 1975-88; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN CERAMICS AND BUILDING MATERIALS.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, ABSTRACTS - 1, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 2, RES. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 13, APPLIED RES. - 13.

5655

DR(MRS) SUMITA GHOSH; (B. FEBRUARY 1, 1950),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) STATISTICS - CALCUTTA '70; M.SC. PHYSICS - PEOPLE'S FRIENDSHIP UNIVERSITY, U.S.S.R. '75; PH.D. PHYSICS - PEOPLE'S FRIENDSHIP UNIVERSITY, U.S.S.R. '81; INTERPRETER'S DIPLOMA IN RUSSIAN/ENGLISH - PEOPLE'S FRIENDSHIP UNIVERSITY, U.S.S.R., 1975.

SPECIALIZATIONS : PLASMA PHYSICS; GLASS AND CERAMIC SCIENCE; RUSSIAN/ENGLISH INTERPRETATION; STATISTICS.

EXPERIENCE : POOL OFFICER (CSIR), UNIVERSITY OF DELHI, 1982-83; (ALSO LECTURER, ON SECONDMENT FROM CSIR, MIRANDA HOUSE COLLEGE, DELHI, SEPT.-OCT. '82); POOL OFFICER (CSIR), CGCRI, 1983-84; RESEARCH ASSOCIATE, CGCRI, 1984-86; SCIENTIST C, CGCRI SINCE JANUARY, 1986.

PRESENT ACTIVITIES : R & D IN GLASS-CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH, RUSSIAN.

VISITED : U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APP. RES. - 8.

5656

SHRI ASIM KUMAR GUHA; (B. JULY 14, 1938),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH) CERAMIC TECHNOLOGY - CALCUTTA '79.

SPECIALIZATIONS : CERAMIC TECHNOLOGY.

EXPERIENCE : PRODUCTION ASSISTANT, ARTISTIC POTTERY, GOVERNMENT OF WEST BENGAL, 1961-62; CERAMIC ENGINEER, MADHU INDUSTRIES, JAIPUR, 1962-63; TECHNICAL OFFICER, M/S BENGAL POTTERIES LTD., CALCUTTA, 1964-75; J.T.A. AND SCIENTIST B, C.G.C.R.I., 1975-88; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 14, INDUSTRY - 14.

5657

SHRI ANIL GUPTA; (B. DECEMBER 16, 1942),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - AGRA '61; B.TECH. GLASS & CERAMICS - B.H.U. '65.

SPECIALIZATIONS : POTTERY WARES; CERAMIC TILES; FUEL AND FURNACES.

EXPERIENCE : ENGINEER TRAINEE, M/S HIROSHO SEITO CO, NAGOYA, JAPAN, 1966-68; WORKS MANAGER, PREMIER POTTERIES, ALIGARH, 1969-79; GENERAL MANAGER, SHREE REFRACTORIES (P) LTD, SATNA, 1979-80; FACTORY MANAGER AND CERAMIST, UP SMALL INDUSTRIAL CORPORATION, 1980-81; MANAGER (QUALITY CONTROL), NALANDA CERAMICS & INDUSTRY LTD., RANCHI, 1981-82; SCIENTIST B, C.G.C.R.I., 1982-87; SCIENTIST C, C.G.C.R.I. SINCE APRIL, 1987.

PRESENT ACTIVITIES : R & D IN CERAMICS.

LANGUAGES : HINDI, ENGLISH, JAPANESE.

VISITED : JAPAN, NEPAL.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 1, ARTICLES - 2, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, QUALITY CONTROL - 1, PRODUCTION - 10, ADMN. - 1.

5658

SHRI SURAJIT GUPTA; (B. MARCH 28, 1957),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH.) CERAMIC TECHNOLOGY - CALCUTTA '77.

SPECIALIZATIONS : CERAMIC REFRACTORIES; BENEFICIATION AND PELLETIZATION OF IRON ORE FINES.

EXPERIENCE : TRAINEE, DIRECTORATE OF INDUSTRY GOVT. OF ASSAM, GAUHATI, 1977-78; SUPERVISOR, DURGAPUR REFRACTORY, DURGAPUR, 1978-80; ASSTT. WORKS MANAGER, RAGHUNATHPUR CERAMICS PVT. LTD., 1980-81; S.S.A., SCIENTIST A AND SCIENTIST B, R.R.L., JORHAT, 1982-88; SCIENTIST B, C.G.C.R.I., 1988-89; SCIENTIST C, C.G.C.R.I. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : R & D

LANGUAGES : BENGALI, HINDI, ASSAMESE, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 2, PATENTS FILED CURRENTLY - 3, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 9, PILOT PLANT - 2 1/2, CONSULTANCY - 3.

5659

DR AMITABHA KUMAR; (B. JULY 22, 1957),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.TECH. CERAMICS - B.H.U. '78; M.S. SOLID STATE SCIENCE - PENNSYLVANIA STATE UNIVERSITY, U S A '82; PH.D. SOLID STATE SCIENCE - PENNSYLVANIA STATE UNIVERSITY, U S A '85.

SPECIALIZATIONS : CONCRETE TECHNOLOGY; FINE PARTICLE CERAMICS; REFRACTORIES SURFACE CHEMISTRY; BUILDING MATERIALS.

EXPERIENCE : TRAINEE, BHARAT ELECTRONICS LTD., BANGALORE, 1976; TRAINEE, MYSORE PORULAINS LTD, BANGALORE, 1976; TRAINEE, KUMARDHUBI FIRECLAY AND SILING WORKS, KUMARDHUBI, 1977; TRAINEE, N.P.L., NEW DELHI, 1979; RESEARCH ASSISTANT AND RESEARCH ASSOCIATE, MATERIAL RESEARCH LABORATORY, PENNSYLVANIA STATE UNIVERSITY, U S A, 1979-87; FELLOW SCIENTIST, C.G.C.R.I., 1987-88; SCIENTIST C, C.G.C.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : BASIC & APPLIED RESEARCH IN CEMENT, REFRACTORIES & BUILDING MATERIALS.

LANGUAGES : BENGALI, HINDI, KANNADA, ENGLISH, GERMAN.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 28, TECH. REPORTS - 10, SCIENTIFIC BOOKS - 1, ARTICLES - 2, PATENTS FILED CURRENTLY - 5, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : ALL INDIA GLASS MANUFACTURING ASSOCIATION AWARD, INDIA; CSIR YOUNG SCIENTIST AWARD, 1991.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 13, APP. RES. - 5, EDITING - 2.

5660

SHRI PARITOSH KUNDU; (B. JANUARY 2, 1945),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '67; B.TECH. CHEMICAL ENGINEERING & TECHNOLOGY - CALCUTTA '69; M.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '70.

SPECIALIZATIONS : SILICATE TECHNOLOGY; GLASS AND CERAMICS.

EXPERIENCE : SCIENTIFIC ASSISTANT, NATIONAL TEST HOUSE, CALCUTTA, 1971-72; S.S.A., NATIONAL INSTRUMENTS LTD., CALCUTTA, 1972-75; S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1975-86; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN GLASS & GLASS CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 10, TECHNICAL DEV. - 3, CONSULTANCY - 1, TESTING - 1.

5661

SHRI AMITAVA MAJUMDAR; (B. APRIL 4, 1944),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '63; A.I.C. SILICATE & FUEL TECHNOLOGY - INSTITUTION OF CHEMISTS (IN-

DIA) '71; M.I.I. CERAM. GLASS TECHNOLOGY - INDIAN INSTITUTE OF CERAMICS '80; L.L.B. LABOUR & TAX LAWS - CALCUTTA '72.

SPECIALIZATIONS : GLASS TECHNOLOGY; GLASS AND CERAMICS; CERAMIC-METAL SYSTEMS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1968-87; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN GLASS-CERAMIC COATINGS FOR METALS, SOL-GEL TECHNIQUE FOR COATING AND BASIC RESEARCH ON MATERIALS SYNTHESIS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, ARTICLES - 2, PATENTS FILED - 1, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 20, TESTING - 6.

5662

DR(MRS) SUJATA MAZUMDAR; (B. MARCH 28, 1952),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - CALCUTTA '72; M.SC. PHYSICS - JADAVPUR '75; PH.D. PHYSICS - JADAVPUR '83.

SPECIALIZATIONS : MATERIALS SCIENCE; X-RAY POWDER CRYSTALLOGRAPHY; MATERIALS CHARACTERIZATION; THERMODYNAMICS OF SOLID STATE REACTIONS.

EXPERIENCE : S.S.A, SCIENTIST A AND SCIENTIST B, CGCRI, 1977-87; SCIENTIST C, CGCRI SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH ON MATERIALS PREPARATION AND CHARACTERIZATION, CRYSTALLOGRAPHY AND THERMODYNAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 13.

5663

SHRI BHUPENDRA LAL MITRA; (B. DECEMBER 30, 1940),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : M.SC. PHYSICS - DACCA '61.

SPECIALIZATIONS : CERAMIC SCIENCE & TECHNOLOGY; THERMAL ANALYSIS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1965-88; SCIENTIST C, C.G.C.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, REVIEW PAPERS - 1, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 17, TESTING - 14.

5664

SHRI BIBHUDAN MITRA; (B. MARCH 10, 1936),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '56; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '66.

SPECIALIZATIONS : ANALYSIS OF GLASS, SILICATES, FUEL AND GAS.

EXPERIENCE : J.L.A., S.L.A. AND J.S.A., C.M.R.S., DHANBAD, 1959-69; S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I. 1969-84; SCIENTIST C, C.G.C.R.I. SINCE OCTOBER 1984.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 11, APP. RES. - 11, TESTING - 32, QUALITY CONTROL - 32.

5665

SHRI SACHINDRA KUMAR MUKHERJI; (B. OCTOBER 5, 1943),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '63; B.SC.(TECH.) GLASS & CERAMICS - CALCUTTA '76; DIPLOMA IN COMPUTER SCIENCE - INDIAN INSTITUTE OF COMPUTER MANAGEMENT '90.

SPECIALIZATIONS : CERAMICS; ADMINISTRATION; COMPUTER SCIENCE.

EXPERIENCE : ASST. CERAMIST, HINDUSTAN SANITARY WARES & INDUSTRIES LTD. BAHADURGARH, 1968-75; PRODUCTION MANAGER, ORISSA INDUSTRY LTD. CUTTACK, 1975-80; GENERAL SUPERINTENDENT, TAMILNADU CERAMIST LTD. 1980-82; SCIENTIST C, C.G.C.R.I. SINCE APRIL, 1982.

PRESENT ACTIVITY : PROJECT WORK AND APPLIED RESEARCH.

LANGUAGES : BENGALI, HINDI, TAMIL, ORIYA, GUJARATI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 1, ARTICLES - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RES. - 7, TECHNICAL DEV. - 3, PILOT PLANT - 2, QUALITY CONTROL - 3, PRODUCTION - 3, IND. MANAGEMENT - 7, TEACHING - 2, SURVEY OF NAT. RESOURCES - 1, PLANNING - 1, ADMINISTRATION - 7.

5666

SHRI TAPAS KUMAR MUKHOPADHYAY; (B. AUGUST 28, 1953),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. CHEMISTRY (HONS) - CALCUTTA '73; B.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '76; M.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '78.

SPECIALIZATIONS : SILICATE TECHNOLOGY; REFRACTORY TECHNOLOGY; WHITE WARES.

EXPERIENCE : RESEARCH OFFICER, HINDUSTAN SANITARY WARES & INDUSTRIES LTD., BAHADURGARH, HARYANA, 1973-85; CHIEF CERAMIST, RAASI CERAMIC & INDUSTRIES LTD, HYDERABAD, 1985-87; SCIENTIST C, C.G.C.R.I. SINCE APRIL, 1987.

PRESENT ACTIVITIES : R & D IN CERAMICS.

LANGUAGES : HINDI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, TESTING - 5.

5667

SHRI ASIS KUMAR NANDI; (B. DECEMBER 8, 1948),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - BHAGALPUR '67; B.TECH.(HONS.) METALLURGICAL ENGINEERING - I.I.T., KHARAGPUR '73; M.TECH. PROCESS METALLURGY - I.I.T., KHARAGPUR '77.

SPECIALIZATIONS : PROCESS METALLURGY; NITRIDING CERAMICS; BATCH PELLETIZATION.

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1975-86; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 11.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, DESIGN - 1.

5668

DR ASOK KUMAR NANDI; (B. JULY 3, 1944),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : M.SC. PHYSICS - CALCUTTA '65; PH.D. PHYSICS - JADAVPUR '87.

SPECIALIZATIONS : X-RAY CRYSTALLOGRAPHY; COMPUTER PROGRAMMING.

EXPERIENCE : J.S.A., C.M.E.R.I., 1966-67; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1967-86; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN AMORPHOUS SEMICONDUCTORS; X-RAY CRYSTALLOGRAPHY.

LANGUAGES : BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 14, APP. RES. - 8, TESTING - 10, COMPUTER PROCESSING - 7.

5669

SHRI S K NIYOGI; (B. DECEMBER 23, 1941),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : M.SC. MATHEMATICS - BURDWAN '64.

SPECIALIZATIONS : MATHEMATICS; CHEMICAL KINETICS; COLLOID & SURFACE CHEMISTRY OF GELS; MECHANICS OF BRITTLE SOLIDS AND COMPOSITES; NON-DESTRUCTIVE EVALUATION OF CERAMICS BY ULTRASONICS.

EXPERIENCE : J.S.A., P.I.D., NEW DELHI, 1964-66; S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1966-86; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN MECHANICS OF BRITTLE SOLIDS & COMPOSITES, NON DESTRUCTIVE EVALUATION OF CERAMICS BY ULTRASONICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 21, TECH. REPORTS - 2, ARTICLES - 10, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 25, APP. RES. - 8, EDITING - 1.

5670

DR MANGAL KANTI PARIJA; (B. FEBRUARY 22, 1952),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '72; B.TECH. SILICATE TECH. - CALCUTTA '75; M.TECH. SILICATE TECH. - CALCUTTA '77; PH.D. CERAMICS - IIT, KHARAGPUR '82.

SPECIALIZATIONS : CERAMICS; MATERIALS SCIENCE.

EXPERIENCE : S.R.A., IIT, KHARAGPUR, 1981-82; SCIENTIST, CEMENT RESEARCH INSTT., BALLALGARH, 1982-83; R.A., IIT, KHARAGPUR, 1983-85; ENGINEERING OFFICER, CENTRAL POWER RES. INST., 1985-85; SCIENTIST B, N.M.L., 1985-88; SCIENTIST C, C.G.C.R.I. SINCE NOVEMBER, 1988.

PRESENT ACTIVITY : R & D IN THE FIELD OF ELECTRO-CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 2, PATENTST FILED CURRENTLY - 1, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APPLIED RES. - 10, TECHNICAL DEV. - 5.

5671

MRS LEELA RAJAGOPALAN; (B. OCTOBER 14, 1943),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - OSMANIA '62; M.SC. CHEMISTRY - OSMANIA '64; CERTIFICATE IN GERMAN LANGUAGE '70.

SPECIALIZATIONS : R & D MANAGEMENT; TECHNICAL EDITING.

EXPERIENCE : J.R.F., R.R.L., HYDERABAD, 1964-66; TEACHER/LECTURER, NATIONAL HIGH SCHOOL, CALCUTTA, 1967-68 AND 1974-77; J.S.A., CGCRI, 1968-72; S.S.A., T.O. (A) AND SCIENTIST B, 1977-87; SCIENTIST C, CGCRI SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D MANAGEMENT INCLUDING PLANNING, MONITORING AND EVALUATION; TECHNICAL REPORTING AND EDITING.

LANGUAGES : TAMIL, HINDI, TELUGU, KANNADA, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 29, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, R & D MGMT. - 13, TEACHING - 12, TECHNICAL EDITING AND REPORTING - 13, DOCUMENTATION - 3.

5672

DR ASIS KUMAR ROY; (B. MAY 13, 1937),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '58; B.SC.(HONS.) CHEMISTRY - CALCUTTA '63; M.SC. PHYSICAL CHEMISTRY - NORTH BENGAL '68; PH.D. REFRACTORIES - CALCUTTA '79.

SPECIALIZATIONS : PHOSPHATE BONDING IN REFRACTORIES; MONOLITHICS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1960-85; (ALSO TRAINING IN CORROSION, MECHANICAL PROPERTIES AND MONOLITHICS OF REFRACTORY MATERIALS, POLAND, 1973); SCIENTIST B, C.G.C.R.I., 1980-85; SCIENTIST C, C.G.C.R.I. SINCE JULY, 1985.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : POLAND.

AWARDS & DISTINCTIONS : DEOKARAN AWARD FOR BEST PAPER ON GLASS, INDIAN CERAMIC SOCIETY; MALAVIYA AWARD, INDIAN CERAMIC SOCIETY.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APPLIED RES. - 25.

5673

SHRI SOMENDRA NATH ROY; (B. NOVEMBER 16, 1953),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) GEOLOGY - JADAVPUR '75; M.SC. APPLIED GEOLOGY - JADAVPUR '79; PH.D. MATERIALS SCIENCE (CERAMICS) - JADAVPUR '88.

SPECIALIZATIONS : APPLIED GEOLOGY; CERAMICS & METAL ALLOYS; MATERIALS SCIENCE.

EXPERIENCE : J.R.F., S.R.F. AND SCIENTIST B, C.G.C.R.I., 1980-88; SCIENTIST C, C.G.C.R.I. SINCE DECEMBER, 1988. (ALSO RESEARCH DEVELOPMENT ON SHAPE MEMORY ALLOYS, GERMANY, 1987-89).

PRESENT ACTIVITIES : R & D IN THE FIELD OF ELECTRO-CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 10.

AWARDS & DISTINCTIONS : EXCELLENCE IN MICRO PHOTOMICROGRAPHICS MATERIALS FORSCHUNG, GERMANY, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP RES - 8, TECHNICAL DEV. - 5, TESTING - 5.

5674

DR AMIYA SANKAR SANYAL; (B. JULY 19, 1937),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '59; B.SC.(HONS) CHEMISTRY - CALCUTTA '60; M.SC. PHYSICAL CHEMISTRY - CALCUTTA '65; PH.D. CHEMISTRY - CALCUTTA '84.

SPECIALIZATIONS: APPLICATION OF RADIOISOTOPES IN GLASS AND CERAMICS; NUCLEAR AND RADIATION CHEMISTRY; COATINGS ON GLASS SURFACE; NITROGEN GLASSES.

EXPERIENCE : J.S.A., DEFENCE SCIENCE LABORATORY, DELHI, 1966-67; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1967-86; (ALSO HIGHER TRAINING IN APPLICATION OF RADIOISOTOPES IN GLASS AND CERAMIC RESEARCH, CZECHOSLOVAKIA, 1977-78); SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25.

5675

DR SATYABRATA SANYAL; (B. JANUARY 31, 1942),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '62; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '67.

SPECIALIZATIONS : FUEL ANALYSIS; GLASS AND CERAMICS.

EXPERIENCE : J.L.A., S.L.A. AND J.S.A., C.F.R.I., 1963-77; J.S.A., S.S.A., TECHNICAL OFFICER (A) AND SCIENTIST B, C.G.C.R.I., 1977-88; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN GLASS & CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, TESTING - 14, Q.LTY. CONTROL - 25.

5676

DR AMARNATH SEN; (B. JUNE 20, 1955),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH) CERAMICS - CALCUTTA '76; M.TECH. METALLURGICAL ENGINEERING - I.I.T., KANPUR '78; PH.D. MATERIALS SCIENCE - I.I.T., KANPUR '86.

SPECIALIZATIONS : GLASS AND CERAMICS; MATERIALS SCIENCE.

EXPERIENCE : ASSISTANT MANAGER (TECHNICAL), HIMACHAL ELECTRONICS LTD., NEW DELHI, 1986; SCIENTIST C, C.G.C.R.I. SINCE JUNE, 1987.

PRESENT ACTIVITIES : R & D IN SUPERCONDUCTING CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10.

5677

SHRI RANJAN SEN; (B. SEPTEMBER 19, 1958),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - JADAVPUR '80; M.E. CHEMICAL & COMBUSTION ENGINEERING - JADAVPUR '82.

SPECIALIZATIONS : CHEMICAL ENGINEERING; COMBUSTION ENGINEERING; OPTICAL FIBRE DEVELOPMENT; CHEMISTRY OF MCVD PROCESS FOR OPTICAL FIBRE FABRICATION.

EXPERIENCE : SCIENTIST B, C.G.C.R.I., 1983-88; SCIENTIST C, C.G.C.R.I. SINCE APRIL, 1988. (ALSO R & D WORK ON FLUORIDE GLASS OPTICAL FIBRE UNDER DAAD EXCHANGE PROGRAMME, GERMANY, 1990-91).

PRESENT ACTIVITIES : R & D

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 3, PROCESS DEVELOPED - 1.

AWARDS & DISTINCTIONS : DEOKARAN AWARD BEST PAPER ON GLASS, INDIAN CERAMIC SOCIETY, 1987-88.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 6, COMPUTER PROCESSING - 3.

5678

SHRI SAMIR KUMAR SEN; (B. JUNE 1, 1936),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '57; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '72.

SPECIALIZATIONS : CERAMIC TECHNOLOGY; CHEMISTRY OF CEMENT; ANALYTICAL CHEMISTRY.

EXPERIENCE : J.L.A., C.F.R.I., JEOLGORA, 1959-61; S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1961-86; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, PAPERS PRESENTED/ACCEPTED - 10, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP RES. - 16, TESTING - 29.

5679

SHRI SUBIR SEN; (B. NOVEMBER 17, 1943),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - JADAVPUR.

EXPERIENCE : S.L.A., J.M.A. AND SCIENTIST B, C.G.C.R.I., 1966-87; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP RES. - 10, PILOT PLANT - 10, OPERATION - 5.

5680

DR KAMALENDU SENGUPTA; (B. JUNE 25, 1949),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - CALCUTTA '68; M.SC. ELECTRONICS & RADIO PHYSICS - NORTH BENGAL UNIVERSITY '71; PH.D. PHYSICS - CALCUTTA '79.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION; SUPERCONDUCTIVITY; FERRITES.

EXPERIENCE : S.T.A. AND SCIENTIST B, CGCRI, 1977-86; SCIENTIST C, CGCRI SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R&D IN SUPERCONDUCTIVITY & ELECTRONIC DEVICE APPLICATIONS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 11, DESIGN - 11.

5681

SHRI SUKHENDU SENGUPTA; (B. JULY 23, 1941),
SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - CALCUTTA '63; DIPLOMA IN JAPANESE LANGUAGE - CONSULATE GENERAL OF JAPAN, CALCUTTA '76; CERTIFICATE OF MERIT IN COMPUTER PROGRAMMING - INDIAN STATISTICAL INSTITUTE '76.

SPECIALIZATIONS : ENGINEERING METROLOGY; WEIGHTS AND MEASURES; X-RAY CRYSTALLOGRAPHY.

EXPERIENCE : S.L.A., C.M.E.R.I., DURGAPUR, 1965-68; J.S.A., N.P.L., 1968-72; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.G.C.R.I., 1972 SCIENTIST C, C.G.C.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : TESTING OF CERAMIC MATERIALS BY X.R.D.

LANGUAGES : BENGALI, HINDI, ENGLISH, JAPANESE.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 27.

5682

SHRI H M SHAH; (B. JUNE 29, 1949),

TECHNICAL OFFICER (C), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. CHEMISTRY - GUJARAT '71; DIPLOMA IN CERAMICS TECHNOLOGY - GUJARAT STATE TECHNICAL BOARD '75.

SPECIALIZATIONS : TECHNICAL/INDUSTRIAL CERAMICS CHEMISTRY; PRODUCTION OF CERAMIC ITEMS; WHITE WARES.

EXPERIENCE : SUPERVISOR, PARSHWAN POTTERY WORKS, MORBI, 1975-76; PRODUCT DEV. TECHNOLOGIST, JYOTI LTD., KALOI, 1976-81; SCIENTIST B, C.G.C.R.I., 1981-88; TECHNICAL OFFICER (C), C.G.C.R.I. SINCE OCTOBER, 1988.

PRESENT ACTIVITY : R & D

LANGUAGES : GUJARATI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 15.

5683

DR MITHLESH KUMAR SINHA; (B. JANUARY 15, 1952),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - BIHAR '71; M.SC. CHEMISTRY - BIHAR '74; PH.D. CHEMICAL TECHNOLOGY - CALCUTTA '89.

SPECIALIZATIONS : CHEMISTRY; CERAMICS.

EXPERIENCE : J.R.F., S.R.F., S.S.A., TECHNICAL OFFICER (A) AND SCIENTIST B, C.G.C.R.I., 1977-88; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN CERAMIC ENGINEERING AND BIOCERAMICS.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RES. - 14.

5684

SHRI R BALAVENKATA SUBRAMANIAM; (B. APRIL 20, 1951),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. CHEMISTRY - MADRAS '70; M.SC. CHEMISTRY - MADRAS '72.

SPECIALIZATIONS : CHEMISTRY; GLASS AND CERAMICS.

EXPERIENCE : JR. CHEMIST, SHREE VALLABH GLASS WORKS LTD., 1973-76; S.L.A., J.S.A., S.T.A. AND TECHNICAL OFFICER (A) AND SCIENTIST B, C.G.C.R.I., 1973-89; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITY : TECHNICAL DEVELOPMENT & TECHNOLOGY TRANSFER.

LANGUAGES : TELUGU, TAMIL, HINDI, GUJARATI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, ARTICLES - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 5., CONSULTANCY - 3, TESTING - 15, QUALITY CONTROL - 3, ADMN. - 10, LIBRARY ADMN - 12.

5685

SHRI D R VYAS; (B. MAY 12, 1942),

SCIENTIST C, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. CHEMISTRY - GUJARAT '64; M.SC. INORGANIC CHEMISTRY - GUJARAT '67.

EXPERIENCE : ASST. CHEMIST, NAVIN FLUORINE INDUSTRIES, SURAT, 1967-69; SR. ASST. GUJARAT MINERAL DEVELOPMENT CORPORATION LTD., BARODA, 1970-76; S.L.A., J.S.A., S.T.A. AND SCIENTIST B, C.G.C.R.I., 1976-87; SCIENTIST C, C.G.C.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : TESTING AND R & D TESTING WORK.

LANGUAGES : GUJARATI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, ARTICLES - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 24, QUALITY CONTROL - 9.

5686

SHRI K ADHIKARI; (B. APRIL 2, 1966),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5687

SHRI SYAMAL KUMAR BANDYOPADHYAY; (B. JULY 26, 1939),

TECHNICAL OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA

QUALIFICATIONS : B.SC. - CALCUTTA '59; B.LIB.SC. - CALCUTTA '71; DIPLOMA IN JAPANESE - JAPANESE CONSULATE, CALCUTTA '77.

SPECIALIZATIONS : DOCUMENTATION; LIBRARY AND INFORMATION SCIENCE.

EXPERIENCE : S.L.A., J.T.A., S.T.A. AND SCIENTIST AI, C.G.C.R.I., 1966-87; SCIENTIST BI, C.G.C.R.I. SINCE MARCH, 1987.

PRESENT ACTIVITIES : DOCUMENTATION, COMPUTER PROCESSING, PUBLIC RELATION & SCIENTIFIC INFORMATION SERVICES.

LANGUAGES : BENGALI, HINDI, ENGLISH, JAPANESE.

PUBLICATIONS & PATENTS : BIBLIOGRAPHIES - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION - 20, COMPUTER PROCESSING - 2.

5688

SHRI T BANDYOPADHYAY; (B. OCTOBER 19, 1943),

TECHNICAL OFFICER(B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5689

SHRI MUKUL KUMAR BANERJEE; (B. JANUARY 2, 1940),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '61.

SPECIALIZATIONS : CERAMIC TECHNOLOGY; UTILISATION OF FLYASH.

EXPERIENCE : ASSISTANT CHEMIST, M/S. SUPERINTENDENCE CO. OF INDIA (PVT) LTD., CALCUTTA, 1962-64; S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.G.C.R.I., 1964-86; SCIENTIST B, C.G.C.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : R & D IN THERMAL ANALYSIS AND GLASS TECHNOLOGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APPLIED RES. - 22, TESTING - 22.

5690

SHRI P K BANERJEE; (B. MARCH 3, 1938),

TECHNICAL OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : DIPLOMA IN MECHANICAL & ELECTRICAL ENGINEERING - BOARD OF APPRENTICESHIP TRAINING, WEST BENGAL '63.

EXPERIENCE : FOREMAN, FOREMAN(GR B) AND TECHNICAL OFFICER (A), C.G.C.R.I., 1968-88; TECHNICAL OFFICER (B), C.G.C.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : ENGINEERING SUPERVISION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : ENGINEERING SUPERVISION & MAINTENANCE - 24.

5691

SHRI GAUR CHANDRA BASAK; (B. JULY 3, 1940),

TECHNICAL OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '63; B.LIB. SC. - CALCUTTA '70; M.LIB. INFORMATION SCIENCE - JADAVPUR '85.

SPECIALIZATIONS : MANAGEMENT INFORMATION SYSTEMS.

EXPERIENCE : J.L.A., S.L.A., J.T.A., S.T.A. AND SCIENTIST A, C.G.C.R.I., 1965-87; TECHNICAL OFFICER (B), C.G.C.R.I. SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : DOCUMENTATION, MANAGEMENT INFORMATION SYSTEM AND COMPUTERISATION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : BIBLIOGRAPHIES - 11, DIRECTORY COMPILATION - 2, DOCUMENTATION LIST - 1, ABSTRACTING JOURNAL - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION - 25.

5692

SHRI ASIS KUMAR BASU; (B. JULY 7, 1947),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - CALCUTTA '68; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '75; A.M.I.I.C.H.E. - INSTITUTION OF CHEMICAL ENGINEERS (INDIA) '85.

SPECIALIZATIONS : VACUUM TECHNOLOGY; ALLOY AND MINERAL ANALYSIS; FUEL AND GAS ANALYSIS; REACTOR DESIGN.

EXPERIENCE : S.L.A., J.S.A. AND S.S.A., CGCRI, 1971-85; SCIENTIST B, CGCRI SINCE FEBRUARY, 1985.

PRESENT ACTIVITIES : R & D IN NON-OXIDE CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 17, APP. RES. - 17.

5693

DR RAJENDRA NATH BASU; (B. JANUARY 1, 1960),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - BURDWAN '80; M.SC. PHYSICS - I.I.T. '83; PH.D. ELECTRONIC CERAMICS - I.I.T. '87; HIGHER LEVEL P G DIPLOMA IN SCIENCE & TECHNOLOGY - B.I.T.S., PILANI '89.

SPECIALIZATIONS : ELECTRONIC CERAMICS; MATERIALS SCIENCE; APPLIED PHYSICS.

EXPERIENCE : RESEARCH ASSOCIATE, C.G.C.R.I., 1988; SCIENTIST B, C.G.C.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : R & D IN FABRICATION OF HIGH TC SUPERCONDUCTORS AND INDUSTRIAL & PTC THERMISTORS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, PATENTS FILED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APPLIED RES. - 5.

5694

SHRI SAMIR KUMAR BASU; (B. JUNE 13, 1941),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. (DISTINCTION) - CALCUTTA '61.

SPECIALIZATIONS : GLASS TECHNOLOGY; EVALUATION OF GLASS MAKING RAW MATERIALS; ELECTRICAL FURNACES DESIGN.

EXPERIENCE : DEMONSTRATOR, PRESIDENCY COLLEGE, CALCUTTA, 1961-64; S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.G.C.R.I., 1964-85; SCIENTIST B, C.G.C.R.I. SINCE 1985.

PRESENT ACTIVITIES : R & D. IN LASER GLASS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. PAPERS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APPLIED RES. - 24, TESTING - 20, TEACHING - 3, SURVEY OF NATURAL RESOURCES - 26.

5695

SHRI KIRAN KUMAR BHATTACHARYA; (B. DECEMBER 30, 1938),

TECHNICAL OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '61; B.A. (SPECIAL) - CALCUTTA '66; DIP. LIB.SC. - CALCUTTA '70; M.A. HISTORY - CALCUTTA '75; M.LIB. & INFORMATION SCIENCE - CALCUTTA '84.

SPECIALIZATIONS : INFORMATION PROCESSING AND DISSEMINATION; REPORT WRITING; TECHNOECONOMIC SURVEYS.

EXPERIENCE : J.L.A., S.L.A., J.T.A., S.T.A. AND SCIENTIST A1, CGCRI, 1966-87; TECHNICAL OFFICER (B), CGCRI SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : ORGANISATION AND MANAGEMENT OF INDUSTRIAL AND TECHNO- ECONOMIC DATA SERVICE SYSTEM; REPORT WRITING; TECHNO-ECONOMIC SURVEYS.

LANGUAGES : BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 22, EDITING - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION - 12, LIBRARY SERVICES - 7, ORGANISATION AND MANAGEMENT OF INDUSTRIAL AND TECHNO- ECONOMIC DATA SERVICE SYSTEM, INCLUDING COMPUTER PROCESSING OF INFORMATION; REPORT WRITING AND TECHNO-ECONOMIC SURVEYS - 6.

5696

SHRI RANJIT KUMAR BHATTACHARYA; (B. DECEMBER 12, 1938),

TECHNICAL OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : CERTIFICATE IN COMMERCIAL ART - INDIAN COLLEGE OF ART & DRAFTSMANSHIP, CALCUTTA '61.

SPECIALIZATIONS : COMMERCIAL ART; FINE ART; AUDIOVISUAL PUBLICITY.

EXPERIENCE : ARTIST, LAYOUT ARTIST AND ART OFFICER (A), C.G.C.R.I., 1962-88; TECHNICAL OFFICER (B), C.G.C.R.I. SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : ART WORK AS APPLIED TO S & T ACTIVITIES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : ART WORK
- 28.

5697

DR PRASANTA KUMAR BISWAS; (B. AUGUST 7, 1952),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '73; M.SC. CHEMISTRY - I.I.T., KHARAGPUR '77; PH.D. (SCIENCE) INORGANIC CHEMISTRY - CALCUTTA '82.

SPECIALIZATIONS : INORGANIC CHEMISTRY; COORDINATION CHEMISTRY; OPTICAL AND ELECTROOPTICAL OXIDE COATINGS.

EXPERIENCE : J.R.F., S.R.F. AND P.D.F., I.A.C.S., JADAVPUR, 1977-82; R.A., C.G.C.R.I., 1984-88; SCIENTIST B, C.G.C.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : RESEARCH ON OPTICAL COATING BY SOL-GEL PROCESS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 21, ABSTRACTS - 10, PATENTS ACCEPTED - 1, PATENTS FILED - 1, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APPLIED RES. - 7.

5698

SHRI ASHIM KUMAR CHAKRABORTY; (B. DECEMBER 29, 1960),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - GAUHATI '79; B.TECH. INSTRUMENTATION & ELECTRONICS - JADAVPUR '83; M.E. CONTROL ENGINEERING - JADAVPUR '90.

SPECIALIZATIONS : ELECTRONICS; INSTRUMENTATION; CONTROL ENGINEERING.

EXPERIENCE : SERVICE ENGINEER, I.R. TECHNOLOGY SERVICES PVT. LTD., CALCUTTA, 1983-87; SCIENTIST B, C.G.C.R.I. SINCE MARCH, 1987. (ALSO TRAINING ON V.G. MISOLAS, MK-II, ENGLAND, 1991).; R & D IN ELECTRONIC CERAMICS.

PRESENT ACTIVITIES : BASIC RESEARCH & MAINTENANCE.;

LANGUAGES : BENGALI, HINDI, ASSAMESE, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 5, MAINTENANCE - 5.

5699

SHRI N K CHAKRABORTY; (B. MARCH 26, 1938),
SCIENTIST BI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '63.

SPECIALIZATIONS : CERAMICS (REFRACTORIES).

EXPERIENCE : L.D.C., S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.G.C.R.I., 1959-87; SCIENTIST B1, C.G.C.R.I. SINCE MARCH, 1987.

PRESENT ACTIVITY : APPLIED RESEARCH & TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RES. - 16, TESTING - 12.

5700

SHRI OMPRAKASH CHAKRABORTY; (B. AUGUST 30, 1960),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - CALCUTTA '80; B.TECH. CERAMIC ENGINEERING - CALCUTTA '84; M.TECH. CERAMIC ENGINEERING - CALCUTTA '84.

SPECIALIZATIONS : NON-OXIDE CERAMICS; CHEMICAL TECHNOLOGY; REFRACTORIES; CHEMISTRY.

EXPERIENCE : GRADUATE ENGINEER TRAINEE AND JUNIOR MANAGER, BHILAI REFRACTORIES PLANT, ARODA, 1984-89; SCIENTIST B, C.G.C.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D IN GLASS & CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 4, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APPLIED RES. - 5, PILOT PLANT - 3, TESTING - 4, QUALITY CONTROL - 4, IND. MANAGEMENT - 3, TECHNOLOGY TRANSFER - 1.

5701

SHRI P K CHAKRABORTY; (B. DECEMBER 30, 1942),

TECHNICAL OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : M.COM. COMMERCE - CALCUTTA '68.

SPECIALIZATIONS : MATERIALS MANAGEMENT.

EXPERIENCE : STOREKEEPER, J.C.A. AND S.C.A., C.G.C.R.I., 1966-86; TECHNICAL OFFICER (B), C.G.C.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : R & D MANAGEMENT AND PROJECT BUDGETING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MANAGEMENT - 4, SALES MARKETING - 5, ADMINISTRATION - 10.

5702

MRS ANJALI CHATTERJEE; (B. SEPTEMBER 14, 1939),

SCIENTIST BI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '63.

QUALIFICATIONS : B.SC. - CALCUTTA '63.

SPECIALIZATIONS : PROCESSING OF POWDERS AND FIBRES; VISCOSITY AND OTHER PROPERTIES OF GLASS.

EXPERIENCE : J.L.A., S.L.A., J.T.A., S.T.A. AND SCIENTIST AI, C.G.C.R.I., 1964-89; SCIENTIST BI, C.G.C.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : RESEARCH IN CERAMIC POWDER PREPARATION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP RES. - 6, TESTING - 11.

5703

MRS TAPATI CHOUDHURY; (B. NOVEMBER 9, 1939),

DOCUMENTATION OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.A. - CALCUTTA '60; CERTIFICATE IN LIB.SC. - CALCUTTA '61; P.G. DIP. IN LIB.SC. - CALCUTTA '63; DIP. IN HINDI - HINDI PRACHAR SAMITI, NEW DELHI '64; CERTIFICATE IN COMPUTER APPLICATIONS - NISAT (DSIR), GOVT. OF INDIA '87.

SPECIALIZATIONS : LIBRARY MANAGEMENT; DOCUMENTATION; INFORMATION PROCESSING AND RETRIEVAL; REPROGRAPHY.

EXPERIENCE : ASSISTANT LIBRARIAN, REGIONAL ENGINEERING COLLEGE, BHUBANESWAR, 1965-66; ASSISTANT LIBRARIAN, SENIOR LIBRARIAN, SENIOR DOCUMENTATION ASSISTANT AND DOCUMENTATION OFFICER (A), R.R.L., BHUBANESWAR, 1972-85; TECHNICAL OFFICER (A), C.G.C.R.I., 1985-87; DOCUMENTATION OFFICER (B), C.G.C.R.I. SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : LIBRARY MANAGEMENT, INFORMATION RETRIEVAL AND COMPUTER APPLICATIONS IN LIBRARY.

LANGUAGES : BENGALI, HINDI, ORIYA, ENGLISH, FRENCH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION & REPROGRAPHY - 2, LIBRARY MANAGEMENT & INFORMATION PROCESSING - 20, COMPUTER PROCESSING - 2.

5704

SHRI ANUP KUMAR CHOWDHURI; (B. MARCH 1, 1941),

SCIENTIST BI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '60.

SPECIALIZATIONS : OPTICAL GLASS; LASER GLASS.

EXPERIENCE : S.L.A., C.F.R.I., 1962-64; S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.G.C.R.I., 1964-85; SCIENTIST BI, C.G.C.R.I. SINCE MARCH, 1985.

PRESENT ACTIVITIES : R & D IN OPTICAL AND LASER GLASSES.

LANGUAGES : BENGALI, HINDI, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, PILOT PLANT - 4, TESTING - 4, Q.LTY. CONTROL - 4.

5705

SHRI PABITRA KUMAR DAS; (B. JULY 27, 1943),
SCIENTIST BI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '63.

SPECIALIZATIONS : REFRACTORIES.

EXPERIENCE : J.L.A., S.L.A., J.T.A., S.T.A. AND SCIENTIST AI, CGCRI, 1964-89; SCIENTIST BI, C.G.C.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D IN REFRACTORIES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 1, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APPLIED RES. - 10, TESTING - 16, Q.LTY. CONTROL - 16.

5706

SHRI RAJATES DAS; (B. JANUARY 1, 1950),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH) CERAMICS - CALCUTTA '71.

SPECIALIZATIONS : CERAMICS.

EXPERIENCE : S.L.A., J.S.A. AND S.S.A., C.G.C.R.I., 1972-85; SCIENTIST B, C.G.C.R.I. SINCE FEBRUARY, 1985.

PRESENT ACTIVITIES : R & D IN CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ABSTRACTS - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1, RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RES. - 18.

5707

SHRI SUKHEN DAS; (B. JULY 29, 1964),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - JADAVPUR '87; M.SC. PHYSICS - JADAVPUR '90.

SPECIALIZATIONS : X-RAY; BIOPHYSICS; COMPUTER PROGRAMMING.

EXPERIENCE : SCIENTIST B, C.G.C.R.I. SINCE AUGUST, 1991.

PRESENT ACTIVITY : TESTING AND R & D WORK.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

5708

DR GOUTAM DE; (B. JANUARY 8, 1958),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - VISVA BHARATI '78; M.SC. CHEMISTRY - VISVA BHARATI '80; PH.D. INORGANIC CHEMISTRY - JADAVPUR '84.

SPECIALIZATIONS : INORGANIC CHEMISTRY; COORDINATION CHEMISTRY; METAL ALKOXIDES; OPTICAL THIN FILMS; SOL-GEL SCIENCE AND TECHNOLOGY.

EXPERIENCE : J.R.F., S.R.F. AND R.A., I.A.C.S., CALCUTTA, 1981-86; J.S.P.S. FELLOW, KANAZAWA UNIVERSITY, JAPAN, 1986-87; POOL OFFICER (C.S.I.R.), C.G.C.R.I., 1987-88; SCIENTIST B, C.G.C.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : SOL-GEL PROCESSING OF SILICA GELS & GLASSES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 25.

AWARDS & DISTINCTIONS : STANTON REDCROFT-ITAS AWARD FOR OUT WORK IN THE FIELD OF THERMAL ANALYSIS, INDIAN THERMAL ANALYSIS SOCIETY (ITAS), 1985.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APPLIED RES. - 4.

5709

SHRI ASHOKE KUMAR DUTTA; (B. MAY 5, 1937),
SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '59.

SPECIALIZATIONS : CHEMICAL ANALYSIS.

EXPERIENCE : SUPERVISOR, M/S HINDUSTHAN GENERAL ELECTRICAL CORPN. LTD., 1959-60; J.L.A., S.L.A., J.S.A. AND S.S.A., C.M.R.S., DHANBAD 1960-73; S.S.A. AND SCIENTIST A, C.G.C.R.I., 1973-82; SCIENTIST B, C.G.C.R.I. SINCE AUGUST, 1982.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS OF ORES, MINERALS AND SILICATES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 31, QUALITY CONTROL - 31.

5710

SHRI M S DUTTA; (B. FEBRUARY 6, 1941),
TECHNICAL OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : DRAUGHTSMANSHIP IN MECHANICAL DRAWING - I.T.I. '62; L.M.E. MECHANICAL ENGINEERING - TECHNICAL EDUCATION, GOVT. OF W. BENGAL '73.

EXPERIENCE : SR. DRAUGHTSMAN, S.T.A. AND TECHNICAL OFFICER (A), C.G.C.R.I., 1966-88; TECHNICAL OFFICER (B), C.G.C.R.I. SINCE JANUARY, 1988.

PRESENT ACTIVITY : FURNACE DRAWING, R & D AND DESIGN.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DRAWING - 25.

5711

SHRI NIHARENDU HALDER; (B. MAY 12, 1940),
TECHNICAL OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '65.

SPECIALIZATIONS : R & D IN ELECTRONIC MATERIALS.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A. AND TECHNICAL OFFICER (A), C.G.C.R.I., 1962-88; TECHNICAL OFFICER (B), C.G.C.R.I. SINCE MARCH, 1988.

PRESENT ACTIVITIES : R & D IN ELECTRONIC MATERIALS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 1, ABSTRACTS - 5, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 1, PATENTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 15, Q.LTY. CONTROL - 18, PRODUCTION - 12, TECHNOLOGY TRANSFER - 15.

5712

SHRI S N KARAMKAR; (B. FEBRUARY 1, 1935),
TECHNICAL OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5713

SHRI TARUN KUMAR KAYAL; (B. FEBRUARY 2, 1965),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - I.I.T., KANPUR '85.

SPECIALIZATIONS : CHEMICAL PROCESS DESIGN AND DEVELOPMENT.

EXPERIENCE : MANAGEMENT TRAINEE AND ASSISTANT ENGINEER, E.I.L., NEW DELHI, 1985-87; S.T.A., C.G.C.R.I., 1987-88; SCIENTIST B, C.G.C.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : PROCESS DESIGN DEVELOPMENT AND PROJECT ENGINEERING IN THE FIELD OF ENERGY RECOVERY SYSTEMS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, PATENTS FILED - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, DESIGN - 5, TECH. DEV. - 4, PILOT PLANT - 3, CONSULTANCY - 2, CONSTRUCTION - 1, PLANNING - 1.

5714

SHRI SANTA KUMAR KHAN; (B. NOVEMBER 13, 1937),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '60.

SPECIALIZATIONS : UTILISATION OF WASTE MICA; PREPARATION OF SPECIAL TYPE OF GLASSES; CERAMICS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.G.C.R.I., 1964-85; SCIENTIST B, C.G.C.R.I. SINCE 1985.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 10, TECHNICAL DEV. - 7, TESTING - 18.

5715

SHRI A KUMAR;(B. JUNE 19, 1958),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5716

DR DEBTOSH KUNDU; (B. DECEMBER 16, 1958),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - BURDWAN '78; M.SC. CHEMISTRY - I.I.T., KHARAGPUR '81; PH.D. (SCIENCE) CHEMISTRY - JADAVPUR '87.

SPECIALIZATIONS : INORGANIC CHEMISTRY; SOL-GEL SCIENCE; GLASS SCIENCE.

EXPERIENCE : J.R.F. AND S.R.F., C.G.C.R.I., 1981-86; SCIENTIST B, C.G.C.R.I. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : SOL-GEL PROCESSING OF SILICA GELS AND GLASSES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, PATENTS FILED - 2, PROCESSES DEVELOPED - 3.

AWARDS & DISTINCTIONS : DEOKARAN AWARD, INDIAN CERAMIC SOCIETY, 1985-86.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APPLIED RES. - 5.

5717

DR(MRS) DIPALI KUNDU; (B. SEPTEMBER 5, 1955),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - CALCUTTA '75; M.SC. PURE CHEMISTRY - CALCUTTA '77; PH.D. - JADAVPUR '91.

SPECIALIZATIONS : SILICATE ANALYSIS.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, C.G.C.R.I., 1980-86; SCIENTIST B, C.G.C.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN INORGANIC CHEMISTRY WITH REGARD TO GLASS & CERAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 16.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 11, APPLIED RES. - 11, TEACHING - 1.

5718

SHRI PRADIP KUMAR MANDAL; (B. JAN 2, 1951),
SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(TECH) CERAMIC TECHNOLOGY - CALCUTTA '71.

SPECIALIZATIONS : CERAMIC TECHNOLOGY; REFRACTORIES.

EXPERIENCE : ASSISTANT CHEMIST, HARRY REFRACTORY & CERAMIC WORKS (P) LTD., DHANBAD, 1972-77; S.S.A. AND TECHNICAL OFFICER (A), C.G.C.R.I., 1977-83; SCIENTIST B, C.G.C.R.I. SINCE JANUARY, 1983.

PRESENT ACTIVITIES : R & D IN CERAMICS & REFRACTORIES; TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, CONSULTANCY - 1, TESTING - 8, Q.LTY. CONTROL - 5, PRODUCTION - 5.

5719

SHRI S MONDAL; (B. JANUARY 7, 1965), -

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - VISVA BHARATI '86; M.SC. CHEMISTRY - VISVA BHARATI '88.

SPECIALIZATIONS : INORGANIC CHEMISTRY.

EXPERIENCE : SCIENTIST B, C.G.C.R.I. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 1, PILOT PLANT - 1.

5720

DR A K MUKHOPADHYAY; (B. JULY 23, 1958),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - KALAYANI '77; M.SC. PURE PHYSICS - JADAVPUR '82; PH.D. PHYSICS - JADAVPUR '88.

SPECIALIZATIONS : SOLID STATE PHYSICS; CERAMICS; ELECTRON SPECTROSCOPY.

EXPERIENCE : J.R.F. AND S.R.F., C.G.C.R.I., 1982-86; SCIENTIST B, C.G.C.R.I. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : R & D IN FRACTURE MECHANICS AND ELECTRON SPECTROSCOPY OF CERAMICS.

LANGUAGES : BENGALI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 4, DESIGN - 1, TECH. DEV. - 1, R & D MGMT. - 1, TESTING - 4, Q.LTY. CONTROL - 4, MAINTENANCE - 1.

5721

SHRI TAPAN KUMAR MUKHOPADHYAY; (B. NOVEMBER 9, 1946),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - CALCUTTA '65; M.SC. MATHEMATICS - CALCUTTA '71; CERTIFICATE IN COMPUTER SYSTEMS - JADAVPUR '82.

SPECIALIZATIONS : MATHEMATICS; GLASS TECHNOLOGY; COMPUTER PROGRAMMING.

EXPERIENCE : ASSISTANT TEACHER, IN VARIOUS HIGH SCHOOLS, CALCUTTA, 1965-68; S.L.A., J.S.A., S.S.A. AND TECHNICAL OFFICER (A), C.G.C.R.I., 1968-83; SCIENTIST B, C.G.C.R.I. SINCE FEBRUARY, 1983.

PRESENT ACTIVITIES : R & D IN GLASS TECHNOLOGY AND TECHNICAL ASSISTANCE TO GLASS INDUSTRY.

LANGUAGES : BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. NOTES - 2, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21, TESTING - 16, TEACHING - 3, TECHNICAL ASSISTANCE - 8.

5722

DR(MRS) DIPTI PAL; (B. FEBRUARY 8, 1937),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - CALCUTTA '57; M.SC. PHYSICS - JADAVPUR '62; PH.D. PHYSICS - CALCUTTA '72.

SPECIALIZATIONS : MAGNETIC PROPERTIES OF SOLIDS; CRYOGENICS; ELECTRON MICROSCOPY; SOL-GEL SCIENCE; GLASS CERAMICS.

EXPERIENCE : J.R.F., S.R.F. AND SENIOR FELLOW, IACS, CALCUTTA, 1963-73; POOL OFFICER (CSIR), IACS, 1973-77; S.S.A. AND SCIENTIST A, C.G.C.R.I., 1978-83; SCIENTIST B, C.G.C.R.I. SINCE FEBRUARY, 1983.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 31, TECH. REPORTS - 1.

AWARDS & DISTINCTIONS : A N CHATTERJEE MEMORIAL AWARD FOR OUTSTANDING WORK ON CRYOGENIC INSTRUMENTATION, INDIAN CRYOGENICS COUNCIL, 1978.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 10, DESIGN - 4, CONSTRUCTION - 4, OPERATION - 7, MAINTENANCE - 7, TESTING - 7.

5723

SHRI YAD RAM; (B. JANUARY 12, 1960),

TECHNICAL OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : DIPLOMA IN CERAMIC ENGINEERING - SETH GANGA SAGAR JATIA POLYTECHNIC, KHURJA '78.

SPECIALIZATIONS : FINE CLAY REFRACTORIES; ELECTRIC PORCELAINS; SALT GLAZED STOREWARE PIPES; RED CLAY BUILDING BRICKS.

EXPERIENCE : SUPERVISOR, PERFECT POTTERY CO. PVT. LTD., JABALPUR, 1979-81; TECHNICAL ASSISTANT, GOVERNMENT POTTERY DEVELOPMENT CENTRE, JHANSI, 1981; SMALL INDUSTRIES PROMOTION OFFICER, S.I.S.I., MINISTRY OF INDUSTRY, GOVT. OF INDIA, GAUHATI, 1984-90; TECHNICAL OFFICER (B), C.G.C.R.I. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : RESEARCH AND PILOT PLANT, APPRAISAL.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 10, STATUS REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 1, TECHNICAL DEV. - 4, PILOT PLANT - 1, CONSULTANCY - 5, PRODUCTION - 2.

5724

SHRI PARASANTA ROY; (B. MAY 13, 1950),

SCIENTIST B, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - NORTH BENGAL '71; A.I.C. ANALYTICAL CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '76.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY.

EXPERIENCE : S.L.A., J.S.A., S.T.A. AND TECHNICAL OFFICER (A), CGCRI, 1972-86; SCIENTIST B, CGCRI SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 19, APP. RES. - 19, TESTING - 19, Q.LTY. CONTROL - 19.

5725

SHRI SUDHIR KUMAR SARDAR; (B. NOVEMBER 15, 1941),

SCIENTIST BI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '62.

SPECIALIZATIONS : REFRACTORIES.

EXPERIENCE : J.L.A., S.L.A., J.T.A., S.T.A. AND SCIENTIST A, CGCRI, 1964-89; SCIENTIST B, SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : R & D IN REFRACTORIES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, PATENT - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9, TESTING - 15, RAW MATERIAL PROCESSING - 3.

5726

SHRI RAMA PRASAD SEN; (B. DECEMBER 13, 1936),

SCIENTIST BI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.COM. - CALCUTTA '62; CERT. IN LIBRARIANSHIP - BENGAL LIBRARY ASSOCIATION, CALCUTTA '64; DIP. LIB.SC. - CALCUTTA '66; PRAVEEN IN HINDI - DTE OF EDUCATION, NEW DELHI '71.

SPECIALIZATIONS : LIBRARY SCIENCE; DOCUMENTATION; INFORMATION PROCESSING AND DISSEMINATION.

EXPERIENCE : L.D.C., U.D.C., JUNIOR LIBRARIAN, J.T.A., S.T.A. AND SCIENTIST A1, C.G.C.R.I., 1956-89; SCIENTIST B1, C.G.C.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : LIBRARY MANAGEMENT AND ITS MODERNISATION.

LANGUAGES : BENGALI, HINDI, ENGLISH, FRENCH.

PROFESSIONAL EXPERIENCE(IN YEARS) : LIBRARY MANAGEMENT AND INFORMATION DISSEMINATION - 24.

5727

SHRI B B SIKDAR; (B. DECEMBER 29, 1938),

TECHNICAL OFFICER (B), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5728

SHRI V B ADHIKARI; (B. NOVEMBER 11, 1949),

TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5729

SHRI B K AICH; (B. JANUARY 12, 1939),

SCIENTIST A, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5730

SHRI D BANERJEE; (B. JANUARY 15, 1943),

SCIENTIST A1, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '68.

SPECIALIZATIONS : COMMON CLAY POTTERY; THERMAL ANALYSIS.

EXPERIENCE : J.L.A., S.L.A., J.S.A. AND S.S.A., C.G.C.R.I., 1964-86; SCIENTIST A1, C.G.C.R.I. SINCE OCTOBER, 1986.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RES. - 2, OPERATION - 1, TESTING - 25.

5731

SHRI P K BANERJEE; (B. JANUARY 9, 1942),

TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA

5732

SHRI SUBHAS CHANDRA BHARDWAJ; (B. JANUARY 6, 1935),

SCIENTIST A1, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '55.

SPECIALIZATIONS : VITREOUS ENAMELS ON METALS; GLASS AND CERAMIC COLOURS.

EXPERIENCE : J.L.A., S.L.A., J.S.A. AND S.T.A., C.G.C.R.I., 1957-75; SCIENTIST A1, C.G.C.R.I. SINCE 1975.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 31, APP. RES. - 31, TECHNICAL DEV. - 31, OPERATION - 31, TESTING - 31, QUALITY CONTROL - 31, TECHNOLOGY TRANSFER - 31.

5733

SHRI AMAL BHATTACHARYA; (B. APRIL 1, 1940),

TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5734

SHRI J R BISWAS; (B. DECEMBER 4, 1942),

TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5735

SHRI S K BISWAS; (B. APRIL 21, 1936),

TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : CERTIFICATE IN GASIFICATION AND GAS PURIFICATION - '89.

SPECIALIZATIONS : GASIFICATION; GLASS AND CERAMICS.

EXPERIENCE : L.A., S/OPERATOR, FOREMAN AND S.T.A., C.F.R.I., 1955-82; SCIENTIST A, C.G.C.R.I. SINCE JANUARY, 1983.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RES. - 10, PILOT PLANT - 20, OPERATION - 5.

5736

SHRI A CHATTERJEE; (B. OCTOBER 19, 1943),

SCIENTIST A, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5737

SHRI GOURANGA DAS; (B. MARCH 3, 1945),
TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RE-
SEARCH INSTITUTE, CALCUTTA.

5738

SHRI A K DUTTA; (B. FEBRUARY 3, 1936),
TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RE-
SEARCH INSTITUTE, CALCUTTA.

5739

MRS BANI DUTTABANIK; (B. APRIL 20, 1951),
TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RE-
SEARCH INSTITUTE, CALCUTTA.

5740

SHRI A K GHOSH; (B. DECEMBER 5, 1936),
SCIENTIST A, CENTRAL GLASS & CERAMIC RESEARCH INSTI-
TUTE, CALCUTTA.

5741

SHRI NITYA RANJAN GHOSH; (B. MARCH 4, 1936),

SCIENTIST AI, CENTRAL GLASS & CERAMIC RESEARCH IN-
STITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '58; A.I.C. - INSTITU-
TION OF CHEMISTS (INDIA) '73; DIPLOMA IN JAPANESE
LANGUAGE - CONSULATE GENERAL OF JAPAN, CAL-
CUTTA '77.

SPECIALIZATIONS : CERAMICS & POTTERY.

EXPERIENCE : S.L.A., J.S.A. AND S.S.A., C.G.C.R.I., 1962-88;
SCIENTIST AI, C.G.C.R.I. SINCE JUNE, 1978.

PRESENT ACTIVITIES : R&D IN TRANSLUCENT PORCE-
LAIN/HIGH ABRASION - REFRACTORIES.

LANGUAGES : BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : PROCESSES DEVELOPED -
I.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED
RES. - 20, TESTING - 8.

5742

SHRI SUJIT KUMAR GHOSH; (B. JANUARY 4, 1939),

TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RE-
SEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.COM. - CALCUTTA '69.

SPECIALIZATIONS : GLASS TECHNOLOGY.

EXPERIENCE : APPRENTICE, OPERATOR, SR. OPERATOR,
GLASS MELTER, CHIEF GLASS MELT AND S.T.A., C.G.C.R.I.,
1960-88; TECHNICAL OFFICER (A), C.G.C.R.I. SINCE NOVEM-
BER, 1988.

PRESENT ACTIVITY : R & D

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP RES - 5,
PILOT PLANT - 25, QUALITY CONTROL - 1, MAINTENANCE - 1.

5743

MRS KASTURI GUPTA; (B. OCTOBER 14, 1953),
TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RE-
SEARCH INSTITUTE, CALCUTTA.

5744

SHRI M K GUPTA; (B. APRIL 1, 1938),
TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RE-
SEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : SCHOOL FINAL - CALCUTTA; B.O.A.T.
MACHINE SHOP - CALCUTTA.

EXPERIENCE : OPERATOR, SR. OPERATOR, GLASS MEL-
TER, CHIEF GLASS MELTER AND S.T.A C.G.C.R.I., 1962-88;
TECHNICAL OFFICER (A), C.G.C.R.I. SINCE JANUARY, 1988.

PRESENT ACTIVITY : SUPERVISION OF PRODUCTION
AND MAINTENANCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT
PLANT - 25, MAINTENANCE - 5.

5745

SHRI JATIN CHANDRA MANDAL; (B. JANUARY 7, 1951),

TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RE-
SEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.COM. - DACCA, BANGLADESH '70.

SPECIALIZATIONS : ACCOUNTANCY AND PROJECT
COSTING.

EXPERIENCE : PROGRAMME ASSISTANT AND S.T.A.,
C.G.C.R.I., 1980-90; TECHNICAL OFFICER (A), C.G.C.R.I. SINCE
NOVEMBER, 1990.

LANGUAGES : BENGALI, HINDI, ENGLISH.

5746

SHRI J MONDAL, (B. DECEMBER 19, 1951),

TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RE-
SEARCH INSTITUTE, CALCUTTA.

5747

SHRI ARUN MUKHERJEE; (B. MARCH 6, 1937),

TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RE-
SEARCH INSTITUTE, CALCUTTA.

5748

SHRI P C NASKAR; (B. MARCH 10, 1937),
SCIENTIST AI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5749

SHRI PHATIC CHANDRA NASKAR; (B. MARCH 10, 1937),
SCIENTIST AI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : B.SC. - CALCUTTA '56; B.SC. BOTANY - CALCUTTA '70; PRAVEEN IN HINDI.

SPECIALIZATIONS : ENAMELS.

EXPERIENCE : S.L.A., J.S.A. AND S.S.A., C.G.C.R.I., 1960-76; SCIENTIST AI, C.G.C.R.I. SINCE 1976.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, TECH. DEV. - 28, TESTING - 28, QUALITY CONTROL - 28, PRODUCTION - 20, TECHNOLOGY TRANSFER - 20.

5750

SHRI S K NIYOGI; (B. JANUARY 2, 1942),
TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA

5751

SHRI S N PAUL; (B. FEBRUARY 18, 1936),
TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

SPECIALIZATIONS : CERAMIC PROCESSING; REFRACTORY POT MAKING FOR MELTING OPTICAL GLASS BY SLIP CASTING PROCESS.

EXPERIENCE : ASST. MOULDER, OPERATOR, SR. OPERATOR, SR. FITTER AND S.T.A., C.G.C.R.I., 1958-88; TECHNICAL OFFICER (A), C.G.C.R.I. SINCE NOVEMBER, 1988.

PRESENT ACTIVITY : SLIP CASTING & PRODUCTION.

LANGUAGES : BENGALI, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 34.

5752

SHRI S A RAFIQUE; (B. JANUARY 15, 1940),
SCIENTIST A, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : SCHOOL FINAL - CALCUTTA '56; PRE-UNIVERSITY - CALCUTTA '64.

EXPERIENCE : APPRENTICE, OPERATOR, SR. OPERATOR, SR. FITTER, TECH VIII AND S.T.A., C.G.C.R.I., 1957-88; TECHNICAL OFFICER (A), C.G.C.R.I. SINCE NOVEMBER, 1988.

LANGUAGES : BENGALI, HINDI, URDU, ENGLISH.

5753

DR J RASKHIT; (B. DECEMBER 22, 1949),
TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5754

DR CHANDRA SEKHAR ROY; (B. JANUARY 4, 1946),
SCIENTIST A, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5755

SHRI S K SAHA; (B. NOVEMBER 1, 1956),
ASSISTANT ENGINEER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : L.C.E. CIVIL - A.P.C. RAY POLYTECHNIC '80.

EXPERIENCE : CIVIL OVERSEER, CALCUTTA ELECTRIC SUPPLY CORPORATION (I) LTD., 1980-83; J.E.(CIVIL), C.G.C.R.I., 1983-88; ASSISTANT ENGINEER (A), C.G.C.R.I. SINCE AUGUST, 1988.

PRESENT ACTIVITY : CONSTRUCTION, MAINTENANCE AND ADMINISTRATION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 10, QUALITY CONTROL - 10, MAINTENANCE - 10, PLANNING - 10, ADMINISTRATION - 10.

5756

SHRI AMALENDU SARKAR; (B. APRIL 12, 1935),
TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5757

SHRI A K SEN; (B. FEBRUARY 1, 1935),
TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : UPTO CLASS X - CALCUTTA.

EXPERIENCE : OPERATOR, SR. OPERATOR, GLASS MELTER, CHIEF GLASS MELTER, SR. TECHNICIAN AND S.T.A., C.G.C.R.I., 1956-88; TECHNICAL OFFICER (A), C.G.C.R.I. SINCE NOVEMBER, 1988.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 36.

5758

SHRI SUNIL SEN; (B. MARCH 8, 1935),
TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

5759

SHRI SUKHENDU SENGUPTA; (B. DECEMBER 31, 1935),

SCIENTIST AI, CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA.

QUALIFICATIONS : DIPLOMA IN MECHANICAL DRAWING - I.T.I. '56; CERTIFICATE IN GERMAN LANGUAGE - MAX MULLER BHAWAN, CALCUTTA '61; PRAVEEN IN HINDI - CALCUTTA '86.

SPECIALIZATIONS : DESIGN OF JIGS, FIXTURES AND SMALL TOOLS.

EXPERIENCE : MECHANICAL DRAUGHTSMAN, J.T.A. AND S.T.A., C.G.C.R.I. 1958-85; SCIENTIST AI, C.G.C.R.I. SINCE JANUARY, 1985.

PRESENT ACTIVITIES : MECHANICAL DESIGN & DRAWING.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN & DRAWING - 32.

5760

SHRI S K TULI; (B. AUGUST 21, 1938),

TECHNICAL OFFICER (A), CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, CALCUTTA

**National Metallurgical Laboratory,
Jamshedpur**

5761

DR P RAMACHANDRA RAO; (B. MARCH 21, 1942),

DIRECTOR, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : M.SC. PHYSICS - HYDERABAD '61; B.E. METALLURGY - I.I.S.C., BANGALORE '63; M.SC. METALLURGICAL ENGINEERING - B.H.U. '65; PH.D. METALLURGICAL ENGINEERING - B.H.U. '68.

SPECIALIZATIONS : RAPID SOLIDIFICATION OF METALS; THERMODYNAMICS OF ALLOYS; PHASE TRANSFORMATIONS.

EXPERIENCE : LECTURER, READER AND PROFESSOR, B.H.U., VARANASI, 1964-92; DIRECTOR, N.M.L. SINCE SEPTEMBER, 1992.

PRESENT ACTIVITIES : INNOVATIVE RESEARCH IN PHYSICAL METALLURGY AND MATERIALS SCIENCE.

LANGUAGES : TELUGU, TAMIL, HINDI, ENGLISH.

VISITED : U.K., JAPAN, GERMANY, CANADA, U.S.S.R., AUSTRALIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 126, PATENTS FILED CURRENTLY - 1, PROCESSES UNDER UTILIZATION - 1.

AWARDS & DISTINCTIONS : NATIONAL METALLURGISTS' DAY AWARD, MINISTRY OF STEEL, MINES AND COAL, GOVERNMENT OF INDIA, 1979; PLATINUM JUBILEE COMMEMORATIVE SILVER MEDALLION, INDIAN INSTITUTE OF SCIENCE, BANGALORE; S S BHATNAGAR PRIZE FOR ENGINEERING SCIENCES, CSIR, 1985; INTERCOSMOS, USSR MEDAL FOR ADVANCEMENT OF INTERNATIONAL COLLABORATION IN SPACE RESEARCH, 1984; MALAVIYA MEMORIAL TRUST SENIOR ACADEMIC AWARD, BANARAS HINDU UNIVERSITY, 1985; FELLOW, INDIAN NATIONAL SCIENCE ACADEMY; FELLOW, INDIAN ACADEMY OF SCIENCES; FELLOW, INDIAN NATIONAL ACADEMY OF ENGINEERING; FELLOW, INSTITUTE OF MATERIALS, LONDON, U.K.; FELLOW, INSTITUTION OF ENGINEERS (INDIA).

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 30, APP. RES. - 10, TEACHING - 28, EDITING - 10, R & D MANAGEMENT - 15, ADMINISTRATION - 12.

5762

DR ONKAR NATH MOHANTY; (B. JANUARY 10, 1945),

SCIENTIST G, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. (HONS) METALLURGICAL ENGINEERING - I.I.T., KHARAGPUR '65; M.TECH. PHYSICAL METALLURGY - I.I.T., KHARAGPUR '67; DR. ING. MATERIALS SCIENCE - KARLSRUHE UNIVERSITY, FEDERAL REPUBLIC OF GERMANY '75.

SPECIALIZATIONS : PHASE TRANSFORMATION & HEAT TREATMENT; MATERIALS CHARACTERIZATION.

EXPERIENCE : LECTURER, ASSISTANT PROFESSOR AND PROFESSOR, I.I.T., KHARAGPUR, 1967-84; SCIENTIST F, N.M.L., 1984-90; (ALSO HIGHER RESEARCH IN MATERIALS SCIENCE, UNDER DAAD-CSIR EXCHANGE PROGRAMME, W. GERMANY, 1988 AND UNIDO CONSULTANT, ZIMBABWE, 1989); SCIENTIST G, N.M.L. SINCE APRIL, 1990.

PRESENT ACTIVITIES : RESEARCH & RESEARCH MANAGEMENT IN THE DEVELOPMENT OF NEW MATERIALS; DE-

VELOPMENT OF TECHNIQUE FOR MATERIALS CHARACTERIZATION USING X-RAY DIFFRACTOMETRY & TEM.

LANGUAGES : ORIYA, BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, USA, U.K., FRANCE, ZAMBIA, ZIMBABWE.

PUBLICATIONS & PATENTS : RES. PAPERS - 55, TECH. REPORTS - 5, SCIENTIFIC BOOKS - 1, EDITED PUBLICATION OF INTERNATIONAL SYMPOSIUM PROCEEDINGS - 1, PATENTS FILED - 9, OTHERS - 3.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 15, APP. RES R & D MGMT - 7, TEACHING - 18.

5763

SHRI NIDHIR CHAKRAVORTY; (B. APRIL 7, 1936),

SCIENTIST F, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) GEOLOGY - CALCUTTA '54; M.SC. ENGINEERING AND APPLIED GEOLOGY - JADAVPUR '56.

SPECIALIZATIONS : MINERAL BENEFICIATION; COAL FLOTATION; ORE MICROSCOPY; PHOTOGRAPHY.

EXPERIENCE : LECTURER, JADAVPUR UNIVERSITY, 1957; ASSISTANT GEOLOGIST AND SCIENTIFIC OFFICER, ATOMIC MINERAL DIVISION (DAE), 1957-63; S.S.O. II/SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.M.L., 1963-86; SCIENTIST F, N.M.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN MINERAL BENEFICIATION, ORES AND IRON ORES; CONSULTANCY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : CANADA.

PUBLICATIONS & PATENTS : RES. PAPERS - 100, TECH. REPORTS - 40, ARTICLES - 15, PATENTS FILED - 1, PROCESSES DEVELOPED - 25, PROCESSES UNDER UTILISATION - 15.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 8, APP. RES. - 25, DESIGN - 14, TECH DEV. - 6, PILOT PLANT - 10, CONSULTANCY - 15, R & D MGMT. - 15, CONSTN. - 3, OPERATION - 15, MAINTENANCE - 2, TEACHING - 1, SURVEY OF NATURAL RESOURCES - 5, TESTING - 3, PLANNING - 6, TECHNOLOGY TRANSFER - 6, ADMN. - 8, EDITING - 3.

5764

DR R N GHOSH; (B. OCTOBER 1, 1948),

SCIENTIST F, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. (HONS.) - IIT, KHARAGPUR '69; M.TECH. PHYSICAL METALLURGY - IIT, KHARAGPUR '71; PH.D. (ENGINEERING) HIGH TEMPERATURE CREEP OF METALS - IIT, KHARAGPUR '81.

SPECIALIZATIONS : HIGH TEMPERATURE CREEP OF METALS AND ALLOYS; METALLURGICAL THERMODYNAMICS; PHYSICAL METALLURGY; X-RAY DIFFRACTION AND ELECTRON MICROSCOPY.

EXPERIENCE : LECTURER, IIT, KHARAGPUR, 1971-82; SCIENTIST EI AND SCIENTIST EII, N.M.L., 1982-89, SCIENTIST F, SINCE NOVEMBER, 1989.

PRESENT ACTIVITIES : R & D AND RESEARCH MANAGEMENT IN THE DEVELOPMENT OF HIGH TEMPERATURE MA-

TERIALS FOR POWER PLANTS, CREEP AND CREEP RAPTURE DATA ANALYSIS; COMPUTER APPLICATIONS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH REPORTS - 23.

PROFESSIONAL EXPERIENCE(IN YEARS) : TEACHING - 11, APP. RES. - 16.

5765

SHRI K K MISHRA; (B. DECEMBER 11, 1941),
SCIENTIST F, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. - AGRA '58; B.TECH (HONS.) METALLURGICAL ENGINEERING - I.I.T. BOMBAY '62; D.E. MATERIALS ENGG. - WISCONSIN, U S A '85.

SPECIALIZATIONS : FOUNDRY ROLLS AND MARINE DIESEL ENGINES; MACHINE TOOLS; WELDING; INDUSTRIAL ENGINEERING; GENERAL MANAGEMENT.

EXPERIENCE : JR. MANAGER, H.E.C. LTD. RANCHI, 1962-74; CHIEF SUPT., M/S TATA YODOGAWA, JAMSHEDPUR, 1974-85; WORKS MANAGER, M/S G.P.I. LTD. CALCUTTA 1985-90; SCIENTIST F, N.M.L. SINCE JULY, 1990.

PRESENT ACTIVITIES : INFORMATION & RESEARCH MANAGEMENT.

LANGUAGES : HINDI, BENGALI, PUNJABI, URDU, ENGLISH.

VISITED : W. GERMANY, U S A, HONGKONG, CZECHOSLOVAKIA, THAILAND, PHILIPPINES, INDONESIA, MALAYSIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 4, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 2.5, APPLIED RESEARCH - 16, DESIGN - 16, TECHNICAL DEV. - 16, R & D MANAGEMENT - 5, QUALITY CONTROL - 16, MAINTENANCE - 5, PRODUCTION - 29, IND. MANAGEMENT - 29, TEACHING - 1, PLANNING - 28, TECHNOLOGY TRANSFER - 16, SALES MARKETING - 5, COMPUTER PROCESSING - 3, ADMINISTRATION - 29.

5766

DR L P PANDEY; (B. JANUARY 1, 1939),

SCIENTIST F, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BHU '60; M.SC. CHEMISTRY - BHU '62; PH.D. CHEMISTRY - BHU '68; DIPLOMA IN GERMAN - BHU '65.

SPECIALIZATIONS : CONVENTIONAL AND INSTRUMENTAL CHEMICAL ANALYSIS; PREPARATION STANDARD REFERENCE MATERIALS; ANALYTICAL CHEMISTRY.

EXPERIENCE : LECTURER, H.I. COLLEGE, ZAMANIA, 1962; J.R.F. AND LECTURER, BHU, 1962-66; SENIOR APPRENTICE, J.S.O., MINISTRY OF DEFENCE, 1966-71; SENIOR ANALYST, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.M.L., 1971-88; SCIENTIST F, N.M.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D AND RESEARCH MANAGEMENT.

LANGUAGES : HINDI, SANSKRIT, ENGLISH, GERMAN.

VISITED : CZECHOSLOVAKIA, UK, FRANCE, JAPAN, SINGAPORE, BANGKOK, CANADA, USA.

PUBLICATIONS & PATENTS : RES. PAPERS - 49, TECH. REPORTS - 1, ARTICLES - 4, RADIO TALKS - 6.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF CHEMISTS (INDIA); CHAIRMAN, ISI-SMDC.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 20, TESTING - 20, QLTY. CONTROL - 15, TEACHING - 1.

5767

DR C S SIVARAMAKRISHNAN; (B. MAY 14, 1941),
SCIENTIST F, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '60; A.M.I.E. METALLURGY - INSTITUTION OF ENGINEERS (INDIA) '64; M.E. PHYSICAL METALLURGY AND CORROSION SCIENCE - ROORKEE '77; PH.D. METALLURGY - I.I.T., BOMBAY '86.

SPECIALIZATIONS : STRUCTURE OF LIQUID METALS AND SOLIDIFICATION; ALUMINIUM ALLOY DEVELOPMENT AND CONTINUOUS CASTING.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.M.L., 1964-90; SCIENTIST F, N.M.L. SINCE APRIL, 1990.

PRESENT ACTIVITIES : R & D RELATING TO SOLIDIFICATION, GRAIN REFINEMENT, ALLOY DEVELOPMENT, FRACTURE STUDIES AND CONTINUOUS CASTING.

LANGUAGES : TAMIL, MALAYALAM, HINDI, SANSKRIT, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 90, TECH. REPORTS - 10, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 16, CONSULTANCY - 3, TECHNOLOGY TRANSFER - 2.

5768

SHRI JISHUTOSH BHATTACHARYA; (B. APRIL 1, 1936),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - CALCUTTA '56; M.SC. INDUSTRIAL METALLURGY - BIRMINGHAM UNIVERSITY, U.K. '68.

SPECIALIZATIONS : CLAD AND THERMOSTAT METALS; MECHANICAL METALLURGY; POWDER METALLURGY; METAL WORKING AND METAL FORMING.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1957-87; SCIENTIST EII, N.M.L. SINCE APRIL, 1987.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH, GERMAN.

VISITED : U K, EAST GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 2, PATENTS TAKEN - 2, PATENTS FILED - 1, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 33.

5769

SHRI K K BHATTACHARYA; (B. JULY 1, 1951),
SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

5770

DR DILIP KUMAR BISWAS; (B. NOVEMBER 1, 1944),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. ENGG. (MECHANICAL) - RANCHI '67; PH.D. MECHANICAL ENGINEERING - I.I.T., KHARAGPUR '72.

SPECIALIZATIONS : DESIGN OF MACHINE ELEMENTS & EQUIPMENT; HYDRAULIC AND PNEUMATIC CONTROL EQUIPMENT; PROCESS EQUIPMENT - DIRECT REDUCTION VIA ROTARY KILN; PILOT PLANT SCALE-UP; PROCESS AND PROJECT ENGINEERING.

EXPERIENCE : SCIENTIST B, C.M.E.R.I., DURGAPUR, 1971-78; R & D ENGINEER; USHA TELEHOIST, CALCUTTA, 1978; SENIOR ENGINEER, RDICS, SAIL, RANCHI, 1978-82; SENIOR ENGINEER, R & D DIVN, TISCO, JAMSHEDPUR, 1982-85; SENIOR TECHNICAL OFFICER, IPITATA, 1985-87; SCIENTIST EI, N.M.L., 1985-90; SCIENTIST EII, N.M.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : PLANNING, R & D ON EQUIPMENT & PILOT PLANT CONCERNING METALLURGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 2, DESIGN - 7, TECH. DEV. - 1, PILOT PLANT - 3, CONSTRUCTION - 1, OPERATION - 2, MAINTENANCE - 2, PRODUCTION - 1, PLANNING - 2, SALES MARKETING - 1.

5771

SHRI DIPENDRA MOHAN CHAKRABARTI; (B. JUNE 28, 1944),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '61; B.SC MINING ENGINEERING - BHU '67; M.TECH. MINERAL ENGINEERING - I.I.T., KHARAGPUR '70; CERTIFICATE IN COMPUTER PROGRAMMING, OPERATION AND SYSTEMS DESIGN - COMPUTER CENTRE, G.O.I., NEW DELHI '72.

SPECIALIZATIONS : MINERAL BENEFICIATION AND AGGLOMERATION.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1971-86; SCIENTIST EII, N.M.L. SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : R & D AND RESEARCH MANAGEMENT IN MINERAL BENEFICIATION AND AGGLOMERATION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : BULGARIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 25, PROCESSES DEVELOPED - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17, PILOT PLANT - 11, R & D MGMT. - 7, TEACHING - 5.

5772

SHRI PREM CHAND; (B. MARCH 30, 1944),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. METALLURGICAL ENGINEERING - BHU '67; M.SC. METALLURGICAL ENGINEERING - BHU '69.

SPECIALIZATIONS : NON FERROUS EXTRACTIVE METALLURGY; PYROMETALLURGY; HYDROMETALLURGY.

EXPERIENCE : S.R.F., METALLURGICAL ENGINEER, SCIENTIST C AND SCIENTIST EI, N.M.L., 1970-88; (ALSO TRAINING IN GENERATION OF HIGH TEMPERATURE PLASMA, GERMANY, 1977-78); SCIENTIST EII, N.M.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN THE FIELD OF PYRO AND HYDROMETALLURGY.

LANGUAGES : HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 5, PATENTS FILED - 1, PROCESSES DEVELOPED - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20.

5773

SHRI SAMBHUPADA CHAUDHURI; (B. APRIL 17, 1945),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS.) - CALCUTTA '64; B.E. MECHANICAL - JADAVPUR '69; M.E. MECHANICAL ENGINEERING - JADAVPUR '71.

SPECIALIZATIONS : FLUID MECHANICS AND MACHINERY CONSTRUCTION MANAGEMENT; PROJECT MANAGEMENT; INSTALLATION AND COMMISSIONING OF PLANTS.

EXPERIENCE : TRAINEE ENGINEER AND ASSISTANT BRANCH ENGINEER, M/S ASIATIC OXYGEN, SHIBPORE, 1972-76; ASSTT. PROJECT ENGINEER AND PROJECT ENGINEER, H.F.C., HALDIA, 1976-81; ALSO TRAINING IN AMONIA PLANT MAINTENANCE, W. GERMANY, 1977; CONSTRUCTION ENGINEER, INDIAN OXYGEN LIMITED, CALCUTTA, 1981-85; CONSTRUCTION MANAGER, F.A.C.T. ENGG. & DESIGN ORGANISATION, UDYOGAMANDAL, KERALA, 1986-90; SCIENTIST EII, N.M.L. SINCE AUGUST, 1990.

PRESENT ACTIVITIES : MECHANICAL MAINTENANCE AND CONSTRUCTION WORK.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE : CONSTRUCTION - 16, OPERATION - 3, MAINTENANCE - 3.

5774

SHRI LAKSHMINDRA NATH DAS; (B. DECEMBER 21, 1940),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC.(ENGG) ELECTRICAL - PATNA '63; M.TECH. ELECTRONIC INSTRUMENTATION - OSMANIA '69.

SPECIALIZATIONS : CREEP AND STRESS RUPTURE TESTING MACHINES; ELECTRON MICROSCOPE AND EDAX SYSTEMS; SOLID STATE TEMPERATURE CONTROLLERS & LVDT TRANSDUCER SIGNAL CONDITIONING; HIGH TEMPERATURE TENSILE TESTING MACHINES; MICROPROCESSOR BASED DATA LOGGING & DATA ACQUISITION SYSTEM; X-RAY DIFFRACTION; X-RAY FLUORESCENCE SPECTROMETRY.

EXPERIENCE : JUNIOR ENGINEER(ELECTRICALS), T.I.S.C.O.LTD., JAMSHEDPUR, 1964-65; LECTURER, REGIONAL INSTITUTE OF TECHNOLOGY, JAMSHEDPUR, 1965-74; (ALSO SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1974-91; (ALSO ADVANCED TRAINING IN ELECTRONIC INSTRUMENTATION, UNDER UNIDO FELLOWSHIP, UK, 1975-76); SCIENTIST EII, N.M.L. SINCE MARCH, 1991.

PRESENT ACTIVITIES : SERVICE & MAINTENANCE OF ATOMIC ABSORPTION SPECTROMETER, VACUUM EMISSION SPECTROMETER, LECO CARBON SULPHUR DETERMINATOR, PERSONAL COMPUTER BASED INSTRUMENTATION, MICRO-COMPUTER BASED GAS CHROMATOGRAPH, MICRO-COMPUTER BASED POTENTIOSTAT/GALVANOSTAT, X-RAY FLUORESCENCE SPECTROMETER; DESIGN & DEVELOPMENT OF COMPUTERISED MAINTENANCE MANAGEMENT APPLICATION PACKAGE FOR SOPHISTICATED ELECTRONIC EQUIPMENTS; DESIGN & DEVELOPMENT OF APPLICATION PACKAGE FOR SPARE PARTS MANAGEMENT & INVENTORY CONTROL FOR SOPHISTICATED ELECTRONIC EQUIPMENTS.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

VISITED : UK.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION AND MAINTENANCE - 16, TEACHING - 7, DESIGN & DEVELOPMENT - 5.

5775

DR KERSI MINOO GODIWALLA; (B. JULY 27, 1947),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. (HONS) METALLURGICAL ENGINEERING - I.I.T., BOMBAY '68; M.S. METALLURGICAL ENGINEERING - MICHIGAN TECHNICAL UNIVERSITY, U.S.A '70; PH.D. MECHANICAL ENGINEERING (FOUNDRY) - I.I.T., KHARAGPUR '87.

SPECIALIZATIONS : METALLURGY; COMPUTER APPLICATION IN ENGINEERING; FOUNDRY ENGINEERING.

EXPERIENCE : ASSISTANT ENGINEER, TELCO, POONA, 1973; SENIOR ENGINEER AND ENGINEER, TELCO, JAMSHEDPUR, 1974-87; SCIENTIST EI, N.M.L., 1987-90; SCIENTIST EII, N.M.L. SINCE MARCH, 1990.

PRESENT ACTIVITIES : TECHNICAL DEVELOPMENT AND COMPUTER PROCESSING.

LANGUAGES : GUJARATI, HINDI, ENGLISH.

VISITED : U.S.A

PUBLICATIONS & PATENTS : RES. PAPERS - 9, COPY RIGHT FOR SOFTWARE - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, DESIGN - 2, TECH. DEV. - 9, Q.LTY. CONTROL - 1.

5776

SHRI RAJENDRA P GOEL; (B. NOVEMBER 5, 1942),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. METALLURGICAL ENGINEERING - I.I.T. KANPUR '69; M.TECH. PROCESS METALLURGY - I.I.T. KANPUR '72; ENG SC.D. CHEMICAL & PROCESS METALLURGY - COLUMBIA UNIVERSITY, USA '78.

SPECIALIZATIONS : CHEMICAL AND PROCESS METALLURGY; PHYSICAL CHEMISTRY OF METALS; HIGH TEMPERATURE CHEMICAL EQUILIBRIA; STEEL MAKING.

EXPERIENCE : RESEARCH ASSISTANT, H. KNOMB SCHOOL OF MINES COLUMBIA UNIV., 1972-78; POST-DOCTORATE ASSOCIATE, DEPT. OF METALLURGY, UNIV OF UTAB, 1978-79; SENIOR RESEARCH ENGINEER, CENTRAL RESEARCH ASARCO, 1979-86; ASSOC. PROFESSOR, H. KNOMB SCHOOL OF MINES COLUMBIA UNIV., 1986-87; STAFF RESEARCH ENGINEER, INLAND STEEL CO., 1987-89; SCIENTIST EII, N.M.L., USA, SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH, COMPUTER PROCESSING. STEEL MAKING, THERMODYNAMICS, CHEMICAL EQUILIBRIA.

LANGUAGES : HINDI, ENGLISH.

VISITED : USA, CANADA, UK.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 21.

AWARDS & DISTINCTIONS : CAMBELL FELLOW, COLUMBIA UNIVERSITY, SCHOLARSTIC ACHIEVEMENT, 1973-75; HENRY KRUMB FELLOW, COLUMBIA UNIVERSITY SCHOLARSTIC ACHIEVEMENT, 1975-76.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, TECHNICAL DEV. - 10, CONSULTANCY - 1.

5777

SHRI KISHORI LAL; (B. NOVEMBER 5, 1942),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. ENGG. METALLURGICAL ENGINEERING - RANCHI '65; M.SC. PHYSICAL METALLURGY (MET. ENGG) - B.H.U. '67; DIPLOMA IN RUSSIAN - B.H.U. '68.

SPECIALIZATIONS : ALUMINIUM ALLOYS.

EXPERIENCE : S.S.A., T.B.R.L., CHANDIGARH, 1966; LECTURER, UNIVERSITY OF ROORKEE, ROORKEE, 1969-71; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1971-88; SCIENTIST EII, N.M.L. SINCE MARCH, 1988.

PRESENT ACTIVITIES : R & D

LANGUAGES : HINDI, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 45, TECH. REPORTS - 18, ARTICLES - 2, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, TEACHING - 3, TECHNOLOGY TRANSFER - 1.

5778**SHRI A K MALLIK; (B. FEBRUARY 15, 1947),**

MECHANICAL ENGINEER (EII), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B. MECH. ENGG. - JADAVPUR '67.**SPECIALIZATIONS** : MINERAL BENEFICIATION; TESTING OF FLP EQUIPMENT.**EXPERIENCE** : J.R.F. AND S.S.A., CMRS, DHANBAD, 1967-71; SCIENTIST B, CECRI, KARAUKUDI, 1971-73; MECHANICAL ENGINEER (C) AND MECHANICAL ENGINEER (EI), N.M.L., 1973-87; (ALSO INPLANT TRAINING ON METAL WORKING INDUSTRY, UNDER UNIDO PROGRAMME, USSR, 1987; MECHANICAL ENGINEER (EII), N.M.L. SINCE APRIL, 1987.**PRESENT ACTIVITIES** : R & D; PILOT PLANT ENGINEERING (MINERAL BENEFICIATION); PROJECT ENGINEERING.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 15, DESIGN - 5, TECH. DEV. - 8, PILOT PLANT - 8, CONSTRUCTION - 2, OPERATION - 8, TESTING - 3, MAINTENANCE - 8, ADMN. - 3.**5779****SHRI S C MAULIK; (B. NOVEMBER 3, 1945),**

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '66; B.TECH. (HONS.) CHEMICAL ENGINEERING - I.I.T., KHARAGPUR '69; M.TECH. MINERAL ENGINEERING - INDIAN SCHOOL OF MINES, DHANBAD '91; CERTIFICATE IN COMPUTER APPLICATIONS.**SPECIALIZATIONS** : MINERAL BENEFICIATION AND AGGLOMERATION.**EXPERIENCE** : J.S.A., S.T.A., SCIENTIST C AND SCIENTIST EI, N.M.L., 1970-89; (ALSO TRAINING IN AGGLOMERATION, USSR, 1978); SCIENTIST EII, N.M.L. SINCE JULY, 1989.**PRESENT ACTIVITIES** : RESEARCH IN MINERAL BENEFICIATION AND AGGLOMERATION; COMPUTER APPLICATION.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**VISITED** : U.S.S.R., SINGAPORE, MALAYSIA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 13, TECH. REPORTS - 33.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 11, PILOT PLANT - 10.**5780****SHRI D S R MURTHY; (B. JULY 26, 1946),**

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. METALLURGICAL ENGINEERING - BHU '70; M.TECH. METALLURGICAL ENGINEERING - BHU '73; M.E. METALLURGICAL ENGINEERING - UNIVERSITY OF UTAH, U S A '84.**SPECIALIZATIONS** : NON-FERROUS EXTRACTIVE METALLURGY.**EXPERIENCE** : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1979-90; SCIENTIST EII, N.M.L. SINCE JANUARY, 1990.**PRESENT ACTIVITIES** : R & D.**LANGUAGES** : TELUGU, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 12, TECH. REPORTS - 8, PATENTS - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 16.**5781****DR NITI RANJAN NAG; (B. JUNE 3, 1938),**

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.E. METALLURGY - CALCUTTA '61; PH.D. METALLURGY - UNIVERSITY OF NOTTINGHAM, U.K. '71.**SPECIALIZATIONS** : ELECTRON MICROSCOPY; METALLURGY OF SHEET AND PLATE STEEL; PHYSICAL METALLURGY OF STEEL; METALLURGY OF IRON AND STEEL CASTING.**EXPERIENCE** : S.S.A., D.M.R.L., ICHAPORE, W. BENGAL, 1962; TRAINEE METALLURGIST, HINDUSTAN IRON & STEEL CO. LTD., CALCUTTA, 1962-63; METALLURGIST, THE STEEL ROLLING MILLS OF HINDUSTAN (P) LTD., HIDE ROAD, CALCUTTA, 1963-65; METALLURGICAL ASSISTANT, BRITISH NON-FERROUS METALS RESEARCH ASSOCIATION, UK, 1965-66; ASSISTANT RESEARCH METALLURGIST, UNIVERSITY OF BIRMINGHAM, 1966-67; RESEARCH OFFICER, BRITISH STEEL CORPORATION, PORT TALBOT, UK, 1970-76; SCIENTIST C AND SCIENTIST EI, N.M.L., 1976-88; SCIENTIST EII, N.M.L. SINCE APRIL, 1988.**PRESENT ACTIVITIES** : ADMINISTRATION; PLANNING, ORGANISING AND IMPLEMENTATION OF VARIOUS ACTIVITIES OF THE FIELD STATION, HOWRAH TO RENDER TECHNICAL ADVICE AND FOR PRODUCING TESTING FACILITIES TO LOCAL METALLURGICAL AND FOUNDRY INDUSTRIES.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**VISITED** : U.K., FRANCE, GERMANY, ITALY.**PUBLICATIONS & PATENTS** : RES. PAPERS - 2, TECH. REPORTS - 16.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 9, APP. RES. - 6, CONSULTANCY - 9, TESTING - 8, QLTY. CONTROL - 9, PRODUCTION - 9, TEACHING - 1.**5782****DR S K NARANG; (B. AUGUST 29, 1944),**

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - PANJAB '64; M.SC. CHEMISTRY - KURUKSHETRA '66; PH.D. ELECTRODEPOSITION - I.I.S.C., BANGALORE '74; CERTIFICATE IN GERMAN - I.I.S.C., BANGALORE '68.**SPECIALIZATIONS** : ELECTROPLATING AND METAL FINISHING; ANALYTICAL CHEMISTRY; ELECTROCHEMICAL ENGINEERING AND CORROSION.**EXPERIENCE** : LECTURER, D.A.V. COLLEGE, JULLUNDUR, 1966-67; SENIOR RESEARCH CHEMIST, SPECIAL STEELS LTD., BOMBAY, 1974-77; SCIENTIST EI, N.M.L., 1977-89; SCIENTIST EII, N.M.L. SINCE MAY, 1989.

PRESENT ACTIVITIES : R & D IN ELECTROPLATING AND METAL FINISHING; CORROSION MANAGEMENT.

LANGUAGES : PUNJABI, HINDI, URDU, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 40, PROCESSES DEVELOPED - 10, PATENTS - 2 TECHNICAL TALKS - 10, CONSULTANCY - 6.

AWARDS & DISTINCTIONS : FELLOW, ELECTROCHEMICAL SOCIETY OF INDIA, 1977; FELLOW, SOCIETY FOR ADVANCEMENT OF ELECTROCHEMICAL SCIENCE & TECHNOLOGY, (INDIA), 1980; BEST PAPER AWARD IN METAL FINISHING, 1984; FELLOW, INSTITUTION OF ENGINEERS (INDIA); VICE PRESIDENT, ELECTROCHEMICAL SOCIETY OF INDIA, 1991.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 18, APP. RES. - 25, DESIGN - 3, TECH. DEV. - 20, PILOT PLANT - 2, CONSULTANCY - 10, R & D MGMT. - 17, TESTING - 16, TEACHING - 1, EDITING - 22.

5783

SHRI JOGINDER SINGH PADAN; (B. NOVEMBER 26, 1935),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '57; DIPLOMA IN METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE '64; A.M.I.I.M. - INDIAN INSTITUTE OF METALS '69.

SPECIALIZATIONS : FERROUS PRODUCTION TECHNOLOGY; MINERAL DRESSING; SPONGE IRON TECHNOLOGY; IRON AND STEEL TECHNOLOGY.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.T.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1957-90; (ALSO SPECIALISED TRAINING IN ASSESSMENT OF RAW MATERIALS AND IN THE PRODUCTION OF IRON AND STEEL TECHNOLOGY, POLAND, 1972-73); SCIENTIST EII, N.M.L. SINCE JULY, 1990.

PRESENT ACTIVITIES : BENEFICIATION OF FERROUS & NON-FERROUS MINERALS; AGGLOMERATION OF IRON ORE FINES; PILOT PLANT-MANAGEMENT.

LANGUAGES : PUNJABI, HINDI, URDU, ENGLISH.

VISITED : POLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 48.

PROFESSIONAL EXPERIENCE (IN YEARS) : OPERATION (PILOT PLANT) - 27, SMELTING OF FOUNDRY GRADE IRON, SPONGE IRON MAKING AND BENEFICIATION OF MINERALS AND TESTING OF RAW MATERIALS - 6.

5784

SHRI HARIHAR PATNAIK; (B. APRIL 28, 1941),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - UTKAL '61; B.SC. ENGG. METALLURGY - RANCHI '66; M.TECH. PROCESS METALLURGY - I.I.T., KHARAGPUR '80.

SPECIALIZATIONS : AGGLOMERATION; THERMODYNAMICS; KINETICS; HEAT AND MASS TRANSFER.

EXPERIENCE : ASSISTANT LECTURER, R.I.T., JAMSHEDPUR, 1967-71; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1971-90; SCIENTIST EII, N.M.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 16, ARTICLES - 7.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 20, PILOT PLANT - 14, TEACHING - 14.

5785

SHRI V VENKATESWARA RAO; (B. MAY 24, 1945),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - MADRAS '64; B.E. METALLURGY - I.I.S.C., BANGALORE '68; M.SC. METALLURGICAL ENGINEERING - BHU. '70.

SPECIALIZATIONS : PHYSICAL METALLURGY.

EXPERIENCE : DEMONSTRATOR, M.D.T. HINDU COLLEGE, TIRUNELVELI, 1964-65; ASSOCIATE LECTURER AND LECTURER, REGIONAL ENGINEERING COLLEGE, TIRUCHIRAPPALLI, 1970-75; SCIENTIST C AND SCIENTIST EI, N.M.L., 1975-91; (ASLO RESEARCH ASSOCIATE, DEPT. OF ENGINEERING BHU, 1985-1988; SCIENTIST EII, N.M.L. SINCE FEBRUARY, 1991).

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, TAMIL, SANSKRIT, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, ARTICLES - 2.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 8, APP. RES. - 8, TEACHING - 4.

5786

DR VENKATESH RAO; (B. AUGUST 30, 1944),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - MYSORE '64; M.SC. - CHEMISTRY - I.I.T., BOMBAY '70; PH.D. MAGNETIC MATERIALS - I.I.T., BOMBAY '75.

SPECIALIZATIONS : MAGNETIC MATERIALS; SOLID STATE CHEMISTRY.

EXPERIENCE : DEMONSTRATOR, SRI J.C.B.M. COLLEGE, SRINGERI, 1965-68; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1975-87; SCIENTIST EII, N.M.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D OF MAGNETIC AND SPECIAL MATERIALS AND AMORPHOUS MAGNETIC ALLOYS.

LANGUAGES : KANNADA, HINDI, ENGLISH, GERMAN.

VISITED : FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, PROCESSES DEVELOPED - 2, PATENTS FILED - 3.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 8, APP. RES. - 15, TESTING - 17, TEACHING - 3.

5787

SHRI J N REDDY; (B. MAY 7, 1937),

CHEMICAL ENGINEER (EII), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5788

SHRI C SANKARAN; (B. OCTOBER 11, 1938),

SCIENTIST EII, NML UNIT, MADRAS (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : B.SC. - MADRAS '58; L.I.M. METALLURGY - INSTITUTION OF METALLURGISTS (LONDON), UK, '64; CERTIFICATE IN HIGH VACUUM TECHNOLOGY - I.I.T., MADRAS '68.**SPECIALIZATIONS** : NON-FERROUS EXTRACTIVE METALLURGY; HIGH VACUUM TECHNOLOGY; SMELTING OF FERRO-ALLOYS; POLLUTION MONITORING AND DESIGN OF POLLUTION CONTROL SYSTEMS.**EXPERIENCE** : S.L.A., J.S.A., S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1959-89; SCIENTIST EII, N.M.L. SINCE MARCH, 1989.**PRESENT ACTIVITIES** : R & D IN EXTRACTIVE METALLURGY.**LANGUAGES** : TAMIL, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 17, TECH. REPORTS - 25, ARTICLES - 3, SPECIAL REPORTS - 4, PATENTS TAKEN - 2, PATENTS FILED - 2, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILISATION - 1.**AWARDS & DISTINCTIONS** : FELLOW, SOCIETY FOR ADVANCEMENT OF ELECTROCHEMICAL SCIENCE & TECHNOLOGY, (INDIA).**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 10, APP. RES. - 4, DESIGN - 5, PILOT PLANT - 2, CONSULTANCY - 4, TESTING - 5, PRODUCTION - 2.

5789

DR INDER SINGH; (B. MAY 15, 1938),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) - BIHAR '60; M.SC. CHEMISTRY - PATNA '62; PH.D. CHEMISTRY - RANCHI '70.**SPECIALIZATIONS** : METALLIC CORROSION AND ITS PREVENTION; INDUSTRIAL CORROSION FAILURE INVESTIGATIONS; METAL POWDERS; ELECTROPLATING; ANODIZATION; DESIGN; ANALYSIS OF METALS, ALLOYS AND REFRACTORY METALLIC GASES; PROTECTIVE COATINGS.**EXPERIENCE** : J.S.A., J.R.F., S.R.F., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1963-88; (ALSO RESEARCH ON ATMOSPHERIC CORROSION OF METALS AND ALLOYS, JAPAN, 1977-78); SCIENTIST EII, N.M.L. SINCE JULY, 1988.**PRESENT ACTIVITIES** : R & D ON METALLIC CORROSION AND ITS PREVENTION, ACID CORROSION INHIBITORS, SCALE INHIBITORS, BIOCIDES, OXYGEN SCAVENGER ALLOYS COATING, CORROSION ELECTROPLATING, ANODIZATION, FAILURE ANALYSIS AND CATHODIC PROTECTION.**LANGUAGES** : PUNJABI, HINDI, URDU, ENGLISH.**VISITED** : U.S.S.R., JAPAN, SOUTH KOREA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 65, TECH. REPORTS - 40, PATENTS FILED - 14. PROCESSES DEVELOPED - 18.**AWARDS & DISTINCTIONS** : FELLOW, ELECTROCHEMICAL SOCIETY OF INDIA, 1979; BEST PAPER AWARD ON CORROSION, 1986; FELLOW, SOCIETY FOR ADVANCEMENT OF ELECTROCHEMICAL SCIENCE & TECHNOLOGY, (INDIA); WINNER, MASCOT NATIONAL AWARD, 1988.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 10, APP. RES. - 16, DESIGN - 2, TECH. DEV. - 10, CONSULTANCY - 2, TESTING - 4, TEACHING - 6.

5790

DR K K SINGH; (B. JULY 1, 1946),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - GORAKHPUR '65; B.SC. CERAMIC ENGINEERING - BHU '69; M.SC. CERAMIC ENGINEERING - B.H.U. '71; PH.D. CERAMIC ENGINEERING - B.H.U. '78.**SPECIALIZATIONS** : REFRACTORIES.**EXPERIENCE** : SCIENTIST C AND SCIENTIST EI, N.M.L., 1972-88; (ALSO TRAINING IN CASTING PIT REFRACTORIES, U.K., 1978-79); SCIENTIST EII, N.M.L. SINCE AUGUST, 1988.**PRESENT ACTIVITIES** : R & D IN THE FIELD OF REFRACTORIES AS APPLIED TO METALLURGICAL INDUSTRIES AND ALSO R & D PROJECT MANAGEMENT.**LANGUAGES** : HINDI, SANSKRIT, ENGLISH, GERMAN.**VISITED** : UK.**PUBLICATIONS & PATENTS** : RES. PAPER REPORTS - 55, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 2, PATENTS FILED - 3.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 2, APP. RES. - 18.

5791

DR RAGHUBIR SINGH; (B. JULY 10, 1946),

SCIENTIST EII, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(ENGG) METALLURGY - RANCHI '67; M.TECH. PHYSICAL METALLURGY - I.I.T., BOMBAY '70; PH.D. METALLURGY - I.I.T., BOMBAY '91.**SPECIALIZATIONS** : HIGH TEMPERATURE MATERIALS; CREEP DAMAGE AND RESIDUAL LIFE.**EXPERIENCE** : S.R.F., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1970-87; (ALSO ADVANCED TRAINING IN CREEP TESTING TECHNIQUE, UK, 1974 AND VISITING SCIENTIST, CSIR-DAAD SCHEME, UNIVERSITY OF ERLANGEN, W. GERMANY, 1985); SCIENTIST EII, N.M.L. SINCE FEBRUARY, 1987.**PRESENT ACTIVITIES** : R & D OF HIGH TEMPERATURE ALLOYS AND CREEP LIFE PREDICTION.**LANGUAGES** : HINDI, ENGLISH.**VISITED** : U.K., W. GERMANY.**PUBLICATIONS & PATENTS** : RES. PAPERS - 10, TECH. REPORTS - 49, TECH. REVIEW PAPERS - 5, PATENT - 1.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 1, APP. RES. - 20.

5792

SHRI S M ARORA; (B. DECEMBER 20, 1935),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - DELHI '55.

SPECIALIZATIONS : HOT-DIP ALUMINISING OF FERROUS MATERIALS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., J.S.O., D.S.S.O. II/SCIENTIST B AND SCIENTIST C, 1955-87; SCIENTIST EI, N.M.L. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, ARTICLES - 5, OTHERS (IN HINDI) - 6, PATENTS TAKEN - 1.

AWARDS & DISTINCTIONS : KAMANI GOLD MEDAL FOR BEST PAPER, I I M, 1958.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP.RES., TECH.DEV., PILOT PLANT, OPERATION, TESTING - (TOTAL: 35 YEARS).

5793

SHRI P K BAGCHI; (B. NOVEMBER 8, 1936),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN RADIO ENGINEERING - ITI, CALCUTTA '56.

SPECIALIZATIONS : ELECTRONIC AND PROCESS CONTROL INSTRUMENTATION AND TELECOMMUNICATION.

EXPERIENCE : LABORATORY ASSISTANT, PUBLICITY DEPARTMENT, GOVERNMENT OF W. BENGAL, 1956; TESTER, M/S ELVOC (P) LTD., CALCUTTA, 1956-57; MECHANIC, FINE MECHANIC, ASSISTANT FOREMAN, FOREMAN AND S.S.A., SCIENTIST B1 AND SCIENTIST C1, N.M.L., 1957-88; (ALSO SHORT-TERM COURSE ON DIGITAL ELECTRONICS FROM INST. OF ENGINEERS, JAMSHEDPUR, 1985); SCIENTIST EI, N.M.L. SINCE JULY, 1988.

PRESENT ACTIVITIES : MODERNISATION OF TELLEMUNICATION AND AUDIO VISUAL SERVICES, INCLUDING ITS MAINTENANCE, INSTALLATION AND COMMISSIONING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, ARTICLES - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 29, MAINTENANCE - 29, DEVELOPMENT - 5.

5794

MRS ARUNA BAHADUR; (B. MAY 11, 1945),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - DELHI '66; M.SC. PHYSICS - DELHI '68.

SPECIALIZATIONS : RADIOACTIVE ISOTOPES; BINARY ALUMINIUM ALLOYS; CORROSION INHIBITORS; COATINGS; X-RAY DIFFRACTION; RESIDUAL STRESSES BY X-RAYS.

EXPERIENCE : J.R.F., S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1970-89; SCIENTIST EI, N.M.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, URDU, ENGLISH.

VISITED : W. GERMANY, HOLLAND, FRANCE, SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 9, APP. RES. - 11.

5795

DR AMITAVA BANDOPADHYAY; (B. JULY 16, 1959),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - JADAVPUR '80; M.E. CHEMICAL ENGINEERING - INDIAN INSTITUTE OF SCIENCE, BANGALORE '82; DIPLOMA IN MANAGEMENT - ALL INDIA MGT. ASSO., DELHI '87; PH.D. CHEMICAL METALLURGY I.I.T., KHARAGPUR '89.

EXPERIENCE : PROCESS ENGINEER, INDIAN ALUM. CO., 1982; PRINCIPAL RES. ENGR, STEEL AUTHORITY (R&D), 1982-89; POST DOCT. RES. ASSO., U S A, 1989-91; SCIENTIST EI, N.M.L. SINCE DECEMBER, 1991.

5796

SHRI BHASKAR BANERJEE; (B. DECEMBER 28, 1941),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - JADAVPUR '63; M.SC. APPLIED GEOLOGY - JADAVPUR '66.

SPECIALIZATIONS : PETROMINERAGRAPHY; ORE MICROSCOPY; DIFFERENTIAL THERMAL ANALYSIS OF ORES AND MINERALS; COAL PETROGRAPHY; IMAGE ANALYSIS.

EXPERIENCE : S.L.A., J.T.A., S.T.A., J.S.O. AND SCIENTIST C, N.M.L., 1968-90; SCIENTIST EI, N.M.L. SINCE APRIL, 1990.

PRESENT ACTIVITIES : R & D IN MINERALOGY RELATED TO OREBENEFICIATION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 57.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, BASIC RES. - 3, R & D MGMT. - 2.

5797

SHRI R P BHAGAT; (B. NOVEMBER 25, 1942),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. CHEMICAL ENGG. - B.I.T. SINDRI '77; M.TECH. CHEMICAL ENGG. - I.I.T., KANPUR '80; PH.D. METALLURGICAL - ENGINEERING I.I.T., KHARAGPUR '90.

SPECIALIZATIONS : SINTERING; FINE PARTICLE TECHNOLOGY AND SURFACE CHEMISTRY; MINERAL BENEFICIATION; STATISTICAL ANALYSIS.

EXPERIENCE : JUNIOR RESEARCH ENGINEER, RESEARCH ENGINEER AND PRINCIPAL RESEARCH ENGINEER, R & D CENTRE, S.A.I.L., RANCHI, 1978-89; SCIENTIST EI, N.M.L. SINCE MARCH, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, BENGALI, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 13, ARTICLES - 3.

5798

DR SANTANU BHATTACHARJEE; (B. JANUARY 7, 1956),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - IIT, KHARAGPUR '78; M.SC. CHEMISTRY - IIT, KHARAGPUR '80; PH.D. THEORETICAL CHEMISTRY - IIT, KHARAGPUR '84.

SPECIALIZATIONS : THEORETICAL CHEMISTRY; SIMULATION AND MODELLING; COMPUTER SOFTWARE DEVELOPMENT; INSTRUMENTAL CHEMICAL ANALYSIS.

EXPERIENCE : RESEARCH SCIENTIST, I.I.T., KHARAGPUR, 1981-84; SCIENTIST B, I.I.P., DEHRADUN, 1984-88; SCIENTIST EI, N.M.L. SINCE JULY, 1988.

PRESENT ACTIVITIES : R & D IN APPLIED CHEMISTRY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 3, INTERNATIONAL SYMPOSIA - 1, COPYRIGHT - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 3.

5799

SHRI A P BHATTACHARYA; (B. JANUARY 27, 1940),

DESIGN ENGINEER (EI), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.CHEM.E. CHEMICAL ENGINEERING - JADAVPUR '62; M.S. CHEMICAL ENGINEERING - LOUISIANA STATE UNIVERSITY, U S A '68; M.S. NUCLEAR ENGINEERING - LOUISIANA STATE UNIVERSITY, U S A '71.

SPECIALIZATIONS : PETROLEUM REFINING; COMPUTER SOFTWARE AND MATHEMATICAL MODELLING; NUCLEAR REACTOR SHIELDING; EXTRACTIVE AND HYDROMETALLURGY; MASS TRANSFER.

EXPERIENCE : SENIOR FOREMAN, A.C.C.I., RISHRA, W. BENGAL, 1962-66; RESEARCH ASSOCIATE, LOUISIANA STATE UNIVERSITY, LOUISIANA, 1968. RESEARCH INSTRUCTOR, COASTAL STUDIES INSTITUTE, LOUISIANA, 1969; CHEMICAL ENGINEER, ASSAM HARD BOARD CO., GAUHATI, 1975; SENIOR RESEARCH ENGINEER, PRDF. (PVT. ORGANISATION), KHARAGPUR, 1975-76; RESEARCH ENGINEER, STEEL AUTHORITY OF INDIA LTD., RANCHI, 1976-77; DESIGN ENGINEER (C), N.M.L., 1977-84; DESIGN ENGINEER (EI), N.M.L. SINCE MAY, 1984.

PRESENT ACTIVITIES : PROCESS & PROJECT ENGINEERING; RESEARCH, IN FUEL GAS DESULPHURISATION.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH, RUSSIAN.

VISITED : USA, UK.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 6, TECH DEV - 1, PILOT PLANT - 2, CONSULTANCY - 5, R & D MGMT. - 1, OPERATION - 3, TESTING - 1, PRODUCTION - 4, TEACHING - 1, TECHNO-ECON. SURVEYS - 2, PLANNING - 1, SALES MARKETING - 6 M13 6\$1983.

5800

DR P K BHATTACHARYA; (B. JANUARY 6, 1947),
SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - CALCUTTA '65; M.SC. APPLIED MATHEMATICS - CALCUTTA '69; PH.D. APPLIED MATHEMATICS - CALCUTTA '78.

SPECIALIZATIONS : HYDROCYCLONE; MATHEMATICAL MODELLING WITH COMPUTER APPLICATIONS; DEVELOPMENT OF COMPUTER SOFTWARE; FLUID DYNAMICS.

EXPERIENCE : J.R.F. AND S.R.F., INDIAN STATISTICAL INSTITUTE, CALCUTTA, 1971-80; RESEARCH FELLOW, DELFT UNIVERSITY OF TECHNOLOGY, THE NETHERLANDS, 1980-81; RESEARCH ASSOCIATE, CENTRAL MINING RESEARCH STATION, DHANBAD, 1982-83; VISITING FELLOW, SOUTH CAMPTON UNIVERSITY, U.K., 1983-84; RESEARCH ASSOCIATE CENTRAL MINING RESEARCH STATION, DHANBAD, 1984-89; FELLOW, N.M.L. 1989; SCIENTIST EI, N.M.L. SINCE JULY, 1989.

PRESENT ACTIVITIES : R & D IN MINERAL BENEFICIATION & TEXTURE ANALYSIS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : THE NETHERLANDS, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 12, APPLIED RESEARCH - 3, R & D MANAGEMENT - 1, COMPUTER PROCESSING - 18, OTHERS(SPECIFY) - 3.

5801

SHRI AKHIL KRISHNA BOSE; (B. JANUARY 29, 1939),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - LUCKNOW '59; M.E. EXTRACTIVE METALLURGY - ROORKEE '76.

SPECIALIZATIONS : REFRACTORIES; HIGH ALUMINA CEMENT AND FOAM INSULATION; REFRACTORIES MANUFACTURE; METALLURGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.M.L., 1962-88; SCIENTIST EI, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D ON REFRACTORIES.

LANGUAGES : HINDI, BENGALI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 7, PATENTS FILED - 2, PROCESSES DEVELOPED - 2.

AWARDS & DISTINCTIONS : CASH AWARD FOR A TECHNICAL PAPER PRESENTATION, INDIAN CERAMIC SOCIETY, 1978; FELLOW, INSTITUTE OF CERAMICS.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 29, R & D MGMT. - 20.

5802

SHRI BIMAL CHATTERJEE; (B. MAY 23, 1940),
SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '57; DIPLOMA IN
CIVIL ENGINEERING - DIRECTORATE OF TECHNICAL
EDUCATION, ANDHRA '60; A.M.I.E. METALLURGY - IN-
STITUTION OF ENGINEERS (INDIA) '73; M.SC. (ENGG.)
METALLURGICAL ENGINEERING - RANCHI '87.

SPECIALIZATIONS : REFRACTORIES; CARBON AND ITS
PRODUCTS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST
B AND SCIENTIST C, N.M.L., 1959-87; (ALSO TRAINING IN THE
FIELD OF REFRACTORIES, SPECIALLY CARBON, FRANCE,
1979-80); SCIENTIST EI, N.M.L. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : R & D IN THE FIELD OF REFRO-
CTARIES FOR IRON & STEEL MAKING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : FRANCE, U.K., U S A, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH.
REPORTS - 10, PROCESSES DEVELOPED - 1, PROCESSES UN-
DER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
31.

5803

DR S CHATTOPADHYAY; (B. FEBRUARY 14,
1957),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.E. METALLURGY - BURDWAN '78;
M.TECH. METALLURGY - I.I.T., KANPUR '80; PH.D. MET-
ALLURGY - UNIVERSITY OF BRITISH COLUMBIA, CAN-
ADA '86.

SPECIALIZATIONS : PROCESS METALLURGY; METAL-
LURGICAL SOFTWARE DEVELOPMENT; SIMULATION AND
MODELLING.

EXPERIENCE : GRADUATE TRAINEE, TISCO, JAMSHED-
PUR, 1980-81; TEACHING ASSISTANT, UBC, CANADA, 1981-85;
POOL OFFICER (CSIR) AND SCIENTIST C, N.M.L., 1985-89; SCI-
ENTIST EI, N.M.L. SINCE JULY, 1989.

PRESENT ACTIVITIES : R & D IN METALLURGY.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN,
FRENCH.

VISITED : CANADA, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH.
REPORTS - 6, PATENT - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 10, APP. RES. - 2, TEACHING - 4, COMPUTER PROCESSING - 5.

5804

SHRI SATYABRATA CHAUDHURI; (B. APRIL 5,
1949),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.E. METALLURGICAL ENGINEERING
- BURDWAN '70; M.TECH. METALLURGICAL ENGINEER-
ING - I.I.T., KHARAGPUR '72; M.I.E. (INDIA).

SPECIALIZATIONS : PHYSICAL METALLURGY; HEAT
TREATMENT TECHNOLOGY; FAILURE INVESTIGATION AND
FRACTURE MECHANICS; HIGH TEMPERATURE MATERIALS
EVALUATION; COMPUTER SOFTWARE DEVELOPMENT.

EXPERIENCE : RESEARCH SCHOLAR, IIT, KHARAGPUR,
1972-73; ENGINEER (TRAINEE), ENGINEER (MET.) AND SEN-
IOR ENGINEER (MET.), BHEL, HARDWAR, 1973-88; SCIENTIST
EI, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : FAILURE INVESTIGATION &
FRACTURE MECHANICS; HIGH TEMPERATURE MATERIAL
EVALUATION & LIFE PREDICTION; COMPUTER SOFTWARE
DEVELOPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH.
REPORTS - 35.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
12, PROCESS DEVELOPMENT - 9, Q.LTY. CONTROL - 9, R & D
IN FAILURE INVESTIGATION - 7, HIGH TEMPERATURE MATE-
RIAL EVALUATION - 9, COMPUTER SOFTWARE DEVELOP-
MENT - 5.

5805

DR V N CHOUDHURY; (B. DECEMBER 28, 1943),
SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - BHU '64;
M.SC. ANALYTICAL CHEMISTRY - BHU '66; PH.D. ANA-
LYTICAL CHEMISTRY - BHU '71.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY; GLASS
TECHNOLOGY.

EXPERIENCE : LECTURER, K.N. GOVERNMENT POST-
GRADUATE COLLEGE, GYANPUR, VARANASI, 1967-68; SCI-
ENTIST B AND SCIENTIST C, N.M.L., 1975-86; SCIENTIST EI,
N.M.L. SINCE SEPTEMBER, 1986.

PRESENT ACTIVITIES : R & D IN ANALYTICAL CHEMIS-
TRY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 26.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 3, APP. RES. - 20, TEACHING - 2.

5807

SHRI NILENDU KUMAR DAS; (B. APRIL 20, 1935),

QUALIFICATIONS : B.SC. - CALCUTTA '56; DIPLOMA IN
METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE
'62; A.M.I.M. - INDIAN INSTITUTE OF METALS.

SPECIALIZATIONS : PHYSICAL METALLURGY; HIGH
VACUUM TECHNOLOGY; SPECIAL MELTING TECHNIQUES
LIKE VACUUM MELTING AND ELECTRON BEAM MELTING;
X-RAY METALLOGRAPHY; SCANNING ELECTRON MICRO-
COPY AND TRANSMISSION ELECTRON MICROSCOPY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST
B AND SCIENTIST C, N.M.L., 1959-86; (ALSO ADVANCED
TRAINING IN THE USE OF SCANNING ELECTRON MICRO-
SCOPE IN PHYSICAL METALLURGY, UK, 1974); SCIENTIST EI,
N.M.L. SINCE MARCH, 1986.

PRESENT ACTIVITIES : R & D IN PHYSICAL METALLURGY OF ALUMINIUM ALLOYS, RAPID SOLIDIFICATION OF ULTRA-HIGH CARBON ALLOYS AND SUPER PLASTICITY IN CAST IRON.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 20, PATENTS - 2,

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 15, METALLURGICAL FAILURE INVESTIGATIONS - 10.

5809

SHRI S P DASGUPTA; (B. JULY 2, 1935),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '57; CERTIFICATE IN LINEAR PROGRAMMING - XAVIER LABOUR RELATIONS INSTITUTE, JAMSHEDPUR '77; CERTIFICATE IN O.R. - OPERATIONAL RESEARCH SOCIETY OF INDIA, JAMSHEDPUR '78.

SPECIALIZATIONS : R & D MANAGEMENT; MANPOWER MANAGEMENT; UTILISATION OF BLAST FURNACE AND STEEL PLANT SLAGS; IRON AND STEEL TECHNOLOGY; CHEMICAL ANALYSIS OF ORES, MINERALS, ALLOYS, GAS AND COAL.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1958- 90; SCIENTIST EI, N.M.L. SINCE MARCH, 1990.

PRESENT ACTIVITIES : R & D MANAGEMENT; BENEFICIATION OF ORES; MANPOWER MANAGEMENT DEPUTATION TRAINING & INTERNATIONAL COLLABORATION

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TECH. DEV. - 2, PILOT PLANT - 2, R & D MGMT. - 25, PLANNING - 5.

5810

SHRI R R DASH; (B. JANUARY 3, 1940),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BIHAR '60; A.M.I.E. METALLURGY - INSTITUTION OF ENGINEERS (INDIA) '81; M.SC. (ENGG) PROCESS METALLURGY - RANCHI '87.

SPECIALIZATIONS : PROCESS METALLURGY; FOUNDRY ENGINEERING; POWDER METALLURGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1963-90; SCIENTIST EI, N.M.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : METALLURGY AND FOUNDRY ENGINEERING.

LANGUAGES : ORIYA, BENGALI, HINDI, ENGLISH.

VISITED : POLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 15, PATENTS FILED CURRENTLY - 2, PROCESS DEVELOPED - 1, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES - 2, APPLIED RES - 27, DESIGN - 2, PILOT PLANT - 2, R & D MANAGEMENT - 3, OPERATION - 5, TESTING - 28, QUALITY CONTROL - 15, MAINTENANCE - 3, PRODUCTION - 5, EDITING - 3, SURVEY OF NAT.RES - 2, TECHNO-ECO SURVEY - 5, TECH TRANSFER - 3.

5811

SHRI R G GANGULY; (B. DECEMBER 3, 1937),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '60.

SPECIALIZATIONS : APPLIED RESEARCH; PILOT PLANT OPERATION; TECHNICAL DEVELOPMENT; TECHNOLOGY TRANSFER.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.M.L., 1960-89; SCIENTIST EI, N.M.L. SINCE MARCH, 1989.

PRESENT ACTIVITIES : APPLIED RESEARCH TECHNOLOGY DEV & TRANSFER.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 5, PATENTS TAKEN - 1, PATENTS FILED CURRENTLY - 1, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILIZATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 10, TECHNICAL DEV. - 12, PILOT PLANT - 3, R & D MANAGEMENT - 1, OPERATION - 3, PLANNING - 1, TECH. TRANSFER - 2.

5812

SHRI KAMAL CHANDRA GHOSH; (B. JULY 23, 1939),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '59; DIPLOMA IN METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE '68; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '70.

SPECIALIZATIONS : CONVENTIONAL AND INSTRUMENTAL CHEMICAL ANALYSIS; ANALYSIS OF ORES, MINERALS, METALS AND NON METALS.

EXPERIENCE : S.L.A., J.T.A., S.T.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1960- 88; SCIENTIST EI, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS IN METALLURGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 27, ANALYSIS & R & D - 4.

5813

SHRI NIRMALENDU GHOSH; (B. JULY 3, 1936),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '58; DIPLOMA IN METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE '70; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '71.

SPECIALIZATIONS : SPECTROGRAPHIC, X-RAY FLUORESCENCE, SPECTROPHOTOMETRIC AND CHEMICAL ANALYSIS.

EXPERIENCE : S.L.A., J.T.A., S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.M.L., 1960-86; SCIENTIST EI, N.M.L. SINCE SEPTEMBER, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4.

AWARDS & DISTINCTIONS : FELLOW, INDIAN CHEMICAL SOCIETY.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 30, TRAINING - 2 WEEKS.

5814

SHRI SHIB RANJAN GHOSH; (B. NOVEMBER 15, 1936),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '57; DIPLOMA IN METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE, JAMSHEDPUR '66.

SPECIALIZATIONS : SMELTING OF FOUNDRY GRADE IRON; TESTING OF RAW MATERIALS FOR IRON AND STEEL INDUSTRY; SPONGE IRON TECHNOLOGY; BENEFICIATION OF ORES AND MINERALS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1958-88; SCIENTIST EI, N.M.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : BENEFICIATION OF FERROUS AND NON-FERROUS MINERALS & AGGLOMERATION; MANAGEMENT OF PILOT PLANT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 42.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION (PILOT PLANT) - 26, TESTING (RAW MATERIALS) - 6.

5815

SHRI SUKOMAL GHOSH; (B. MARCH 7, 1950),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(ENGG) METALLURGY - RANCHI '72; M.TECH. MECHANICAL ENGINEERING (FOUNDRY) - I.I.T., KHARAGPUR '76.

SPECIALIZATIONS : FOUNDRY ENGINEERING; GREY IRON CASTING; INVESTIGATION OF MOULDING MATERIALS.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, N.M.L., 1977-88; SCIENTIST EI, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH IN FOUNDRY ENGINEERING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : INVESTIGATION REPORTS - 6, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14.

5816

DR R P GOEL; (B. APRIL 20, 1948),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. METALLURGICAL ENGG. - I.I.T KANPUR '69; M.TECH. PROCESS METALLURGY - I.I.T. KANPUR '72; ENG.SC.D. CHEMICAL AND PROCESS METALLURGY - COLUMBIA UNIVERSITY, U S A '78.

SPECIALIZATIONS : CHEMICAL AND PROCESS METALLURGY; PHYSICAL CHEMISTRY OF METALS; HIGH TEMPERATURE CHEMICAL EQUILIBRIA; STEEL MAKING PHYSICAL CHEMISTRY.

EXPERIENCE : RESEARCH/TEACHING ASSISTANT, H.KRUMB SCHOOL MINER COLUMBIA UNIVERSITY, NY, 1972-78; POST DOCTORAL ASSOCIATE, DEPT. OF METALLURGY UNIVERSITY OF UTAH SALT LAKE, 1978-79; SENIOR RESEARCH ENGINEER, CENTRAL RESEARCH ASARCO, INC, NJ, U S A, 1979-86; ADJNET ASSOC. PROFESSOR, H.KRUMB SCHOOL OF MINES COLUMBIA UNIVERSITY, NY, 1986-87; STAFF RESEARCH ENGINEER, INLAND STEEL COMPANY, EAST CHICAGO IN U S A, SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.M.L., 1987-90; SCIENTIST EII, N.M.L. SINCE AUGUST, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH AND COMPUTER PROCESSING.

LANGUAGES : HINDI, ENGLISH.

VISITED : U S A, U.K., CANADA.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 21.

AWARDS & DISTINCTIONS : CAMPBELL FELLOW AWARD, COLUMBIA UNIVERSITY, 1973; HENRY KRUMB FELLOW AWARD, COLUMBIA UNIVERSITY, 1975-76.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP RES - 22, TECHNICAL DEV. - 10, CONSULTANCY - 1.

5817

SHRI KALYAN KUMAR GUPTA; (B. SEPTEMBER 10, 1949),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - DELHI '68; M.SC. CHEMISTRY - I.I.T., DELHI '70; M.TECH. CHEMICAL TECHNOLOGY - I.I.T., DELHI '72.

SPECIALIZATIONS : CHEMICAL ANALYSIS BY INSTRUMENTAL METHODS.

EXPERIENCE : S.R.F., N.A.L., 1972-74; SCIENTIFIC ASSISTANT, NATIONAL TEST HOUSE, CALCUTTA, 1974-75; JUNIOR ANALYST, N.A.L., 1975-80; CHEMIST, HINDUSTAN COPPER LTD., GHATSILA, 1980-81; SENIOR ANALYST (C), 1982-88; SCIENTIST EI, N.M.L. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : ANALYSIS OF METALS, NON-METALS, ALLOYS, ORES, MINERALS, ETC. USING MODERN METHODS.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, PRESENTED - 1, COPY RIGHTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 6, TESTING - 6, QUALITY CONTROL - 10.

5818

SHRI KAUSHAL KISHORE GUPTA; (B. NOVEMBER 16, 1944),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.E. METALLURGY - ROORKEE '67; P.G. DIPLOMA FOUNDRY TECHNOLOGY - RANCHI '85.

SPECIALIZATIONS : FOUNDRY TECHNOLOGY; MAGNESIUM PRODUCTION TECHNOLOGY; TECHNOLOGY MARKETING.

EXPERIENCE : S.S.A., SHIFT INCHARGE/SCIENTIST A, SR SHIFT INCHARGE/SCIENTIST B AND SENIOR SHIFT INCHARGE/SCIENTIST C, MAGNESIUM PROJECT, N.M.L., 1968-87; SCIENTIST EI, N.M.L. SINCE JULY, 1987.

PRESENT ACTIVITIES : LIAISON AND TECHNOLOGY UTILISATION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - MANY, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : ASSOCIATE MEMBER, INDIAN INSTITUTE OF METALS, CALCUTTA.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 3, APPLIED RESEARCH - 16, TECHNOLOGY TRANSFER - 3.

5819

SHRI DIWARKAR JHA; (B. MARCH 13, 1951),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. CHEMICAL ENGINEERING - RANCHI '73.

SPECIALIZATIONS : NON-FERROUS EXTRACTIVE METALLURGY.

EXPERIENCE : J.R.F., S.R.F., SCIENTIST B AND SCIENTIST C, N.M.L., 1981-89; SCIENTIST EI, N.M.L. SINCE APRIL, 1989.

PRESENT ACTIVITIES : R & D IN EXTRACTION AND RECOVERY OF NON-FERROUS METALS FROM ORE AND OTHER WASTE PRODUCTS.

LANGUAGES : MAITHILI, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 6, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9, CONSULTANCY - 2, SURVEY OF NATURAL RESOURCES - 4.

5820

DR V K JHINGTON; (B. JANUARY 24, 1937),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5821

SHRI JAGABANDHU KONAR; (B. NOVEMBER 27, 1935),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '56.

SPECIALIZATIONS : ANALYSIS OF GASES IN METALS BY VACUUM TECHNIQUES; CHEMICAL ANALYSIS.

EXPERIENCE : ASSISTANT TEACHER, INDPUR GOENKA HIGH SCHOOL, DISTT. BANKURA, 1956-57; DEMONSTRATOR, JAMSHEDPUR COOPERATIVE COLLEGE, JAMSHEDPUR, 1957-61; S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1961-89; SCIENTIST EI, N.M.L. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : INSTRUMENTAL AND CHEMICAL ANALYSIS OF GASES IN METALS BY VACUUM TECHNIQUE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, TESTING - 29, TEACHING - 5.

5822

SHRI VINAY KUMAR; (B. JULY 1, 1952),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(ENGG) CHEMICAL - RANCHI '76; M.TECH. CHEMICAL ENGINEERING - I.I.T., KANPUR '78; PH.D. CHEMICAL ENGINEERING - IIT, DELHI '88.

SPECIALIZATIONS : PETROLEUM REFINING; CHEMICAL REACTION ENGINEERING; NON-FERROUS METAL EXTRACTION FROM ORES AND CONCENTRATES.

EXPERIENCE : CHEMICAL ENGINEER (B) AND SCIENTIST C, N.M.L., 1981-90; SCIENTIST EI, N.M.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : R & D IN SOLVENT EXTRACTION ELECTROWINNING; RECOVERY OF VANADIUM FROM ORE; EXTRACTION AND SEPARATION OF COPPER, NICKEL & COBALT; EXTRACTION OF TUNGSTON FROM LEACH SOLUTION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES PAPERS - 20, TECH. REPORTS - 8, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 11, PILOT PLANT - 2.

5823

SHRI NARENDRA NARAIN MATHUR; (B. FEBRUARY 8, 1940),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - AGRA '60; A.M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS '71; M.TECH. METALLURGY - RANCHI '79.

SPECIALIZATIONS : REFRACTORIES.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1962-89; SCIENTIST EI, N.M.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D IN THE FIELD OF REFRACTORIES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 8, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 23, TESTING - 2.

5824

DR V MOHAN; (B. FEBRUARY 7, 1942),

SCIENTIST EI, NML UNIT, MADRAS (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : B.SC. - ANNAMALAI '65; M.SC. APPLIED GEOLOGY - IIT, BOMBAY '68; PH.D. APPLIED GEOLOGY - MADRAS '86.

SPECIALIZATIONS : GEOLOGICAL INVESTIGATIONS; MINERAL PROCESSING.

EXPERIENCE : GEOLOGIST-CUM-ORE-DRESSING ENGINEER, DEPARTMENT OF GEOLOGY AND MINING, GOVERNMENT OF TAMIL NADU, MADRAS, 1969-74; SCIENTIST B AND SCIENTIST C, N.M.L., 1974-85; SCIENTIST EI, N.M.L. SINCE JULY, 1985.

PRESENT ACTIVITIES : R & D IN MINERAL PROCESSING.

LANGUAGES : TAMIL, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 30, OTHERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 3, PILOT PLANT - 6, CONSULTANCY - 2, R & D MGMT. - 2, TESTING - 1, TEACHING - 2.

5825

SHRI BIKASH CHANDRA MUKHERJEE; (B. MARCH 4, 1939),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) - JADAVPUR '61; DIPLOMA IN METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE '68; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '70; A.M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS '79.

SPECIALIZATIONS : ANALYSIS OF ORES, MINERALS AND REFRACTORY MATERIALS; ANALYSIS OF FERROUS & NON-FERROUS METALS, ALLOYS AND SILICATES.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1963-91; SCIENTIST EI, N.M.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF CHEMISTS (INDIA), 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPL RES - 28, TEACHING - 2.

5826

SHRI A N MUKHERJI; (B. JUNE 1, 1940),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BHU '60; L.I.M. - INSTITUTION OF METALLURGISTS, U.K. '72; A.I.M. - INSTITUTION OF METALLURGISTS (LONDON), UK '75.

SPECIALIZATIONS : CORROSION AND COATINGS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1962-88; SCIENTIST EI, N.M.L. SINCE MAY, 1988.

PRESENT ACTIVITIES : R & D ON CORROSION AND ITS PREVENTION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 38, INVESTIGATION REPORTS - 8, PATENTS TAKEN - 8, PROCESSES DEVELOPED - 9, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, TESTING - 8, TECHNOLOGY TRANSFER - 2.

5827

SHRI PARAS NATH; (B. JANUARY 15, 1943),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(ENGG) ELECTRICAL - RANCHI '64; M.E. ADVANCED ELECTRICAL MACHINES - ROORKEE '68; NATIONAL SUPERVISORS' COMPETENCY CERTIFICATE - GOVERNMENT OF BIHAR - '76.

SPECIALIZATIONS : ELECTRICAL MACHINES; HIGH VOLTAGE ENGINEERING; NON-FERROUS METALS; PROJECT ENGINEERING; CONSTRUCTION AND MAINTENANCE.

EXPERIENCE : TECHNICAL ASSISTANT (ENGINEERING), NATIONAL SUGAR INSTITUTE, KANPUR, 1964-65; ASSOCIATE LECTURER AND LECTURER, M.M.M. ENGINEERING COLLEGE, GORAKHPUR, 1968-74; SCIENTIST B AND SCIENTIST C, N.M.L., 1974-86; SCIENTIST EI, N.M.L. SINCE NOVEMBER, 1986.

PRESENT ACTIVITIES : R & D; PILOT PLANT; TECHNO-ECONOMIC SURVEYS; CONSTRUCTION AND MAINTENANCE

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH PAPER - 4, TECH REPORTS - 3.

AWARDS & DISTINCTIONS : LIFE FELLOW, ELECTRO-CHEMICAL SOCIETY OF INDIA.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 11, DESIGN - 10, TECH. DEV. - 7, PILOT PLANT - 4, CONSTRUCTION - 10, OPERATION - 10, TESTING - 8, MAINTENANCE - 16, TEACHING - 15, TECHNO-ECONOMIC SURVEYS - 8, TECHNOLOGY TRANSFER - 9, ERECTION & COMMISSIONING - 08, TOTAL 23 1/2.

5828

DR KARUNA KARA PADHI; (B. JANUARY 10, 1940),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - RANCHI '61; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '71; DIPLOMA IN METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE '70, PH.D - PATNA '82.

SPECIALIZATIONS : CHEMICAL AND INSTRUMENTAL ANALYSIS OF METALS, ALLOYS, ORES AND MINERALS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1962-89; SCIENTIST EI, N.M.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : RESEARCH; INSTRUMENTAL ANALYSIS BY X-RAY FLUORESCENCE SPECTROMETRY, EMISSION SPECTROSCOPY & MOLECULAR ABSORPTION SPECTROPHOTOMETRY

LANGUAGES : ORIYA, HINDI, SANSKRIT, BENGALI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF CHEMISTS (INDIA); FELLOW, INDIAN CHEMICAL SOCIETY.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 5, APPLIED RESEARCH - 25, TESTING - 30.

5829

DR B D PANDEY; (B. APRIL 1, 1955),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - GORAKHPUR '73; M.SC. INORGANIC CHEMISTRY - GORAKHPUR '75; PH.D. CHEMISTRY COORDINATION AND SOLVENT EXTRACTION - B.H.U. '80.

SPECIALIZATIONS : SOLVENT EXTRACTION; HYDROMETALLURGY; ELECTROWINNING.

EXPERIENCE : POST DOCTORAL FELLOW, INST OF TECHNOLOGY, B.H.U. '81; LECTURER, GARHWAL, UNIVERSITY, SRINAGAR, 1982; POOL OFFICER (CSIR) AND SCIENTIST C, N.M.L., 1982-91; SCIENTIST EI, N.M.L. SINCE JULY, 1991.

PRESENT ACTIVITIES : R & D IN NON-FERROUS EXTRACTIVE METALLURGY.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 28, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 6, APPLIED RESEARCH - 9.

5830

DR SWATANTRA PRAKASH; (B. AUGUST 15, 1952),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - BHU '75; M.TECH. CHEMICAL ENGINEERING - BHU '77; PH.D. (ENGG.) CHEMICAL - I.I.T., KHARAGPUR '88.

SPECIALIZATIONS : TRANSPORT PHENOMENA; COMPUTATIONAL AND EXPERIMENTAL MODELLING IN CHEMICAL & METALLURGICAL PROCESSES; NON-ISOTHERMAL KINETICS; IRON ORE REDUCTION; SMELTING REDUCTION; ENVIRONMENTAL ENERGY.

EXPERIENCE : RESEARCH ENGINEER, I.I.T., KANPUR '1977; S.R.F., N.M.L., 1977-78; PROCESS ENGINEER, SAURASHTRA CHEMICALS, PORBANDER, 1978-81; LECTURER, H.B.T.I., KANPUR, 1981; SCIENTIST B AND SCIENTIST C, N.M.L., 1981-89; SCIENTIST EI, N.M.L. SINCE JULY, 1989.

PRESENT ACTIVITIES : R & D IN FERROUS METALLURGY; MATHEMATICAL MODELLING OF NON-ISOTHERMAL REACTORS; DEVELOPMENT OF A PROCESS FOR DRIR PRODUCTION UTILIZING IRON ORE AND COAL FINES; PRODUCTION

OF CLEANER STEEL, FUNDAMENTAL STUDIES ON IRON ORE REDUCTION AND SMELTING REDUCTION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 21, PATENTS - 5, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 6, APPLIED RES. - 2, PROCESS DEVELOPMENT - 4, PRODUCTION - 3, TEACHING - 1, MODELLING AND COMPUTER APPLICATIONS - 2.

5831

SHRI SIDDHESHWAR PRASAD; (B. JANUARY 8, 1937),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BIHAR '59; B.SC. CHEMICAL ENGINEERING - RANCHI '63.

SPECIALIZATIONS : SOLID MINERAL FUELS; TECHNO-ECONOMIC SURVEYS; PILOT PLANT TRIALS; PROJECT PLANNING; EXTRACTION OF COPPER FROM LEAN LIQUORS; PROCESS ENGINEERING; GEO-MICRO-BIO-HYDRO-METALLURGICAL METAL POWDERS; TECHNOECONOMIC EVALUATION AND PLANT DESIGN FOR THE PRODUCTION OF MAGNESIUM CARBONATE AND CHEMICAL MANGANESE DIOXIDE; SPENT PICKLE LIQUOR REGENERATION.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.M.L., 1964-86; SCIENTIST EI, N.M.L. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : INSTALLATION & COMMISSIONING OF PILOT PLANT FOR PROCESSING POLYMETALLIC SEA NODULES; DEVELOPMENT OF DATA BANK; PROJECT MANAGEMENT.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 2, ARTICLES - 2, EXPLORATORY PROJECT REPORTS - 2.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 13, DESIGN - 2, PILOT PLANT OPERATION - 3, TECHNO-ECONOMIC SURVEYS - 2, ESTABLISHMENT OF HYDRO-ELECTRO-METALLURGY PROJECTS - 5, INSTALLATION & COMMISSIONING OF SEA NODULES PROCESSING PILOT PLANT - 2.

5832

SHRI SYED RAFIUDDIN; (B. JANUARY 7, 1939),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - OSMANIA '65; M.TECH. CHEMICAL ENGINEERING - OSMANIA '67; P.G. CERTIFICATE IN CHEMICAL ENGINEERING AND PHYSICAL CHEMISTRY - W.GERMANY '75.

SPECIALIZATIONS : SPONGE IRON TECHNOLOGY; MINERAL PROCESSING.

EXPERIENCE : S.S.A., R.R.L., BHUBANESHWAR, 1968-71; SCIENTIST B AND SCIENTIST C, N.M.L., 1971-85; (ALSO ATTENDED AN INTERNATIONAL SEMINAR ON CHEMICAL ENGINEERING AND PHYSICAL CHEMISTRY, W.GERMANY, 1974-75); SCIENTIST EI, N.M.L. SINCE NOVEMBER, 1985.

PRESENT ACTIVITIES : MINERAL PROCESSING.

LANGUAGES : URDU, HINDI, TELUGU, GERMAN.

VISITED : W.GERMANY.

PUBLICATIONS & PATENTS : TECH. REPORTS - 13, PATENTS FILED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17, PILOT PLANT - 5.

5833

SHRI P D PRASADA RAO; (B. JULY 1, 1937),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - ANDHRA '58; M.SC. APPLIED GEOLOGY - ANDHRA '60.

SPECIALIZATIONS : MINERALOGRAPHY; MINERAL PROCESSING; PILOT PLANT SCALE OPERATION; X-RAY FLOURESCENCE SPECTROGRAPHIC ANALYSIS.

EXPERIENCE : J.R.F., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.M.L., 1961-85; SCIENTIST EI, N.M.L. SINCE DECEMBER, 1985.

PRESENT ACTIVITIES : RESEARCH IN BENEFICIATION OF LOW-GRADE ORES FOR INDUSTRIAL USE.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, MONOGRAPHS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 17, PILOT PLANT - 5, CONSULTANCY - 3, QLT. CONTROL - 2.

5834

SHRI K C RAY; (B. AUGUST 5, 1936),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '58; A.M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS (INDIA) '79.

SPECIALIZATIONS : REFRACTORIES.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.M.L., 1960-87; SCIENTIST EI, N.M.L. SINCE APRIL, 1987.

PRESENT ACTIVITIES : R & D ON REFRACTORIES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 40, PROCESSES DEVELOPED - 2, PATENT FILED - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 31, TESTING - 5.

5835

SHRI C SATYANARAYANA; (B. JULY 24, 1941),

SCIENTIST EI, NML UNIT, MADRAS (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : B.SC.(HONS) GEOLOGY - ANDHRA '61; M.SC. ORE DRESSING - ANDHRA '62.

SPECIALIZATIONS : MINERAL BENEFICIATION; MINERALOGY; METALLOGRAPHY.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1965-88; SCIENTIST EI, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : MINERAL BENEFICIATION AND MICROSCOPIC STUDIES ON MINERALS, ORES AND METALS.

LANGUAGES : TELUGU, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 39.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, PILOT PLANT - 3, TESTING & CONSULTANCY - 7.

5836

SHRI P L SENGUPTA; (B. MARCH 1, 1935),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '50.

SPECIALIZATIONS : CHEMICAL METALLURGY; ELECTROMETALLURGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1960-88; (ALSO ASSISTED IN SETTING UP AN ELECTROLYTIC MANGANESE DIOXIDE PILOT PLANT, BASED ON N.M.L. DEVELOPED PROCESS, AT C.R.O., RANGOON, BURMA, 1979); SCIENTIST EI, N.M.L. SINCE MARCH, 1988.

PRESENT ACTIVITIES : R & D IN CHEMICAL METALLURGY, ELECTROMETALLURGY AND HYDROMETALLURGY; CONSULTANCY AND TECHNOLOGY TRANSFER.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : BURMA.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 15, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILISATION - 2, PATENT APPLIED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, PILOT PLANT - 20, QLT. CONTROL - 3, TECHNOLOGY TRANSFER - 4, (EMD - 3, EMM - 1).

5837

DR D D N SINGH; (B. DECEMBER 12, 1953),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - GORAKHPUR '73; M.SC. PHYSICAL CHEMISTRY - GORAKHPUR '75; PH.D. CORROSION OF METALS - BHU '80.

SPECIALIZATIONS : CORROSION AND PROTECTION OF METALS.

EXPERIENCE : J.R.F., R.A. AND RESEARCH OFFICER, BHU, 1976-81; SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.M.L., 1981-88; SCIENTIST EI, N.M.L. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 35, PATENTS - 7, PROCESSES UNDER UTILISATION - 3.

AWARDS & DISTINCTIONS : CSIR YOUNG SCIENTIST AWARD IN ENGINEERING SCIENCE, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 11.

5838

SHRI GURCHARAN SINGH; (B. FEBRUARY 6, 1937),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BIHAR '60.

SPECIALIZATIONS : ANALYSIS OF ORES, REFRACTORIES, STEEL, CAST IRON AND ALLOYS.

EXPERIENCE : S.L.A., J.S.A., S.T.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1961-89; SCIENTIST EI, N.M.L. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : CHEMICAL AND INSTRUMENTAL TESTING.

LANGUAGES : PUNJABI, HINDI, URDU, PERSIAN, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 30, Q.LTY. CONTROL - 30.

5839

SHRI PRASANTA KUMAR SINGH; (B. JANUARY 16, 1944),

MECHANICAL ENGINEER (EI), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - UTKAL '66.

SPECIALIZATIONS : REFRIGERATION AND AIR CONDITIONING.

EXPERIENCE : JUNIOR ENGINEER (MECH.), RURAL ENGINEERING ORGANISATION, GOVERNMENT OF ORISSA, 1966-72; MECHANICAL ENGINEER (B) AND MECHANICAL ENGINEER (C), N.M.L., 1972-89; MECHANICAL ENGINEER (EI), N.M.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : INSTALLATION, OPERATION AND MAINTENANCE OF REFRIGERATION & AIR-CONDITIONING PLANTS AND EQUIPMENT.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 2, OPERATION - 16, MAINTENANCE - 16.

5840

SHRI A N SINHA; (B. NOVEMBER 12, 1938),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - PATNA '57; M.SC. PHYSICS - BIHAR '59; M.I.I.M.

SPECIALIZATIONS : X-RAY CRYSTALLOGRAPHY; PHYSICAL METALLURGY AND METAL PHYSICS; SCANNING ELECTRON MICROSCOPY (SEM); TRANSMISSION ELECTRON MICROSCOPY (TEM); QUANTITATIVE METALLOGRAPHY.

EXPERIENCE : SENIOR RESEARCH ASSISTANT, BIHAR, KHAGAUL, PATNA, 1959-61; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.M.L., 1961-85; (ALSO ADVANCED TRAINING IN QUANTITATIVE METALLOGRAPHY, U.K.); SCIENTIST EI, N.M.L. SINCE SEPTEMBER, 1985.

PRESENT ACTIVITIES : R & D IN METALLURGICAL; FAILURE INVESTIGATION.

LANGUAGES : HINDI, ENGLISH, BENGALI.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 30.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 30, APP. RES. - 30, METALLURGICAL FAILURE INVESTIGATION - 24.

5841

SHRI PRASANTA KUMAR SINHA; (B. NOVEMBER 5, 1937),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '57.

SPECIALIZATIONS : MINERAL DRESSING AND AGGLOMERATION.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.M.L., 1957-90; (ALSO TRAINING IN ORE DRESSING, SPONSORED BY UNESCO, BHU, 1963 SHORT-TERM COURSE ON AGGLOMERATION OF ORES, IIT, BOMBAY, 1970 AND TRAINING IN AGGLOMERATION OF ORE FINES, POLAND, 1973); SCIENTIST EI, N.M.L. SINCE MARCH, 1990.

VISITED : POLAND.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 31, PILOT PLANT OPERATION - 19, TESTING - 12.

5842

SHRI R SRINIVASAN; (B. FEBRUARY 20, 1942),

SCIENTIST EI, NML UNIT, MADRAS (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : B.SC. - MADRAS '61; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '68; A.M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS '75; CERTIFICATE IN GERMAN - MAX MULLER BHAVAN '77.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY; METALLOGRAPHY; HEAT TREATMENT;

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1962-91; SCIENTIST EI, N.M.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TAMIL, HINDI, SANSKRIT, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11, TECH. DEV. - 2, TESTING - 12.

5843

SHRI J P SRIVASTAVA; (B. AUGUST 9, 1945),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(ENGG) METALLURGY - RANCHI '69; M.SC. PROCESS METALLURGICAL ENGINEERING - RANCHI '87.

SPECIALIZATIONS : ORES AND MINERALS; BENEFICIATION AND AGGLOMERATION; DESIGN OF MINERAL PROCESS PLANT EQUIPMENT AND INSTALLATION.

EXPERIENCE : J.R.F., SCIENTIST B AND SCIENTIST C, N.M.L., 1972-86; SCIENTIST EI, N.M.L. SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : R & D IN ORE/MINERAL PROCESSING.

LANGUAGES : HINDI, BENGALI, ENGLISH.

VISITED : USSR, THE NETHERLANDS.

PUBLICATIONS & PATENTS : TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, PILOT PLANT - 2, TESTING - 2.

5844

DR S C SRIVASTAVA; (B. JULY 14, 1943),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BHU '62; M.SC. PHYSICS (SPECTROSCOPY) - BHU '65; PH.D. PHYSICS (SPECTROSCOPY) - BHU '73.

SPECIALIZATIONS : SPECTROSCOPY.

EXPERIENCE : LECTURER, GOVERNMENT POLYTECHNIC, MIRZAPUR, 1965; LECTURER, S.D. COLLEGE, VARANASI, 1965-68; RESEARCH FELLOW AND S.R.F., BHU, 1968-73; P.D.F., SCIENTIST B AND SCIENTIST C, N.M.L., 1973-86; SCIENTIST EI, N.M.L. SINCE AUGUST, 1986.

PRESENT ACTIVITIES : R & D IN X-RAY FLOURESCENCE AND EMISSION SPECTROMETRY; METAL-SURFACE STUDIES USING PHOTO-ELECTRON SPECTROSCOPY (AES, ESCA); STUDY ON THE NON-METALLIC INCLUSIONS IN STEELS AND THEIR ROLE IN PIT INITIATION PROCESS.

LANGUAGES : HINDI, ENGLISH.

VISITED : FRANCE, CANADA.

PUBLICATIONS & PATENTS : RES. PAPERS - 34, TECH. REPORT - 1.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF CHEMISTS (INDIA).

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 18, QLT. CONTROL - 18, TEACHING - 3.

5845

DR ASHOK KUMAR VAISH; (B. JANUARY 1, 1948),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - ROORKEE '69; M.E. CHEMICAL ENGINEERING - I.I.S.C., BANGALORE '71; PH.D. CHEMICAL ENGINEERING - I.I.S.C., BANGALORE '86.

SPECIALIZATIONS : MODELLING, SCALE-UP & DESIGN; REACTION ENGINEERING; ELECTROTHERMAL SMELTING OF FERRO ALLOYS AND PIG IRON; HEAT, MASS AND MOMENTUM TRANSFER.

EXPERIENCE : PROJECT-IN-CHARGE (TECHNICAL), KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY, BANGALORE, 1979-82; SCIENTIST C, N.M.L., 1982-88; SCIENTIST EI, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : SMELTING OF SPONGE FINES, SCALE-UP AND DESIGN.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 11, ARTICLES - 4, PATENTS FILED - 1, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 8, DESIGN - 3, PILOT PLANT - 8.

5846

SHRI P V VISWANATHAN; (B. MAY 21, 1942),

SCIENTIST EI, NML UNIT, MADRAS (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : B.SC. - KERALA '61.

SPECIALIZATIONS : HYDROMETALLURGY; FERRO-ALLOYS AND FERROUS PRODUCTION TECHNOLOGY; CHEMICAL ANALYSIS; ENVIRONMENTAL ENGINEERING.

EXPERIENCE : CHEMIST, M/S J.K. ALUMINIUM CORPN. OF INDIA, J.K. NAGAR, W.BENGAL, 1962-64; J.T.A., S.T.A., J.T.O. AND SCIENTIST C, N.M.L., 1964-91; SCIENTIST EI, N.M.L. SINCE MARCH, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MALAYALAM, TAMIL, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 12, PATENTS TAKEN - 2, PATENTS FILED - 2, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21, PILOT PLANT - 2, QLT. CONTROL - 3.

5847

SHRI B V S YEDAVALLI; (B. MAY 27, 1936),

SCIENTIST EI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - ANDHRA '57; L.I.M. - INSTITUTION OF METALLURGISTS (LONDON), UK '63; DIPLOMA IN METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE '64; DIPLOMA IN INDUSTRIAL ENGINEERING - INSTITUTION OF SUPERVISORY MANAGEMENT '73.

SPECIALIZATIONS : FERRO-ALLOYS; MINERAL PROCESSING; VACUUM ENGINEERING.

EXPERIENCE : S.L.A., J.S.A., S.T.A., SCIENTIST B AND SCIENTIST C, N.M.L., 1961-88; SCIENTIST EI, N.M.L. SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : LIAISON AND TECHNOLOGY UTILIZATION.

LANGUAGES : TELUGU, HINDI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 6, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, PILOT PLANT - 18, OPERATION - 18.

5848

DR(MRS) K ACHARYA; (B. APRIL 19, 1953),

MEDICAL OFFICER (C), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : M.B.B.S. - SAMBALPUR, '76.

EXPERIENCE : ROTATORY INTERNSHIP - R.M.C.H., RANCHI, 1977-78; HOUSEMANSHIP IN GYNAECOLGY/OBSTRETIC

& PEADIATRICS, S.S. LNT HOSPITAL, DHANBAD, 1978-80; MEDICAL OFFICER, B.C.C.L., DHANBAD, 1980-87; MEDICAL OFFICER (C), N.M.L. SINCE MAY, 1987.

PRESENT ACTIVITIES : GENERAL DUTY MEDICAL OFFICER AND FAMILY PLANNING.

LANGUAGES : BENGALI, ORIYA, HINDI, ENGLISH.

5849

SHRI R C ARORA; (B. MARCH 4, 1940),

SCIENTIST C, NML FIELD STATION, BATALA (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : B.SC. - AGRA '59; B.SC. GEOLOGY - LUCKNOW '60; INDUSTRIAL COURSE IN MODERN FOUNDRY PRACTICE - I.I.T., KHARAGPUR '75.

SPECIALIZATIONS : ALLOYED AND UN-ALLOYED HIGH DUTY CAST IRON; FOUNDRY SANDS AND BONDING CLAYS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.M.L., 1961-91; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : INVESTIGATION OF FOUNDRY SANDS AND BONDING CLAYS; CONSULTANCY; METALLURGICAL ANALYSIS.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, CONSULTANCY - 5, TESTING - 12, QLTY. CONTROL - 5, ADMN. - 3.

5850

MRS S R ASTHANA; (B. OCTOBER 27, 1960),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.E. MECH. ENGG. - MARATHWADA '81; P.G.D.B.M. MANAGEMENT - MARATHWADA '82; M.S. MGT. INF. SYSTEMS - M.I.S. UNIVERSITY OF BALTIMORE, U S A '86.

SPECIALIZATIONS : MANAGEMENT INFORMATION SYSTEMS; MECHANICAL ENGINEERING; MANAGEMENT.

EXPERIENCE : LECTURER, G.P.A., AURANGABAD, 1982-88; FACULTY POSITION, XLRI, JAMSHEDPUR, 1989-90; SCIENTIST A AND SCIENTIST B, N.M.L., 1989-90; SCIENTIST C, N.M.L. SINCE JULY, 1990.

PRESENT ACTIVITIES : SOFTWARE DEVELOPMENT .

LANGUAGES : HINDI, MARATHI, ENGLISH.

VISITED : U S A, SINGAPORE.

PROFESSIONAL EXPERIENCE(IN YEARS) : TEACHING - 5, COMPUTER PROCESSING - 5.

5851

DR D BANDHOPADHYAY; (B. JULY 5, 1959),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.E. METALLURGY - CALCUTTA '82; M.TECH - EXTRACTIVE METALLURGY - I.I.T., KANPUR '84; PH.D. PROCESS METALLURGY - I.I.T., KANPUR '89.

SPECIALIZATIONS : KINETICS; TRANSPORT PHENOMENA; IRON MAKING; STEEL MAKING.

EXPERIENCE : POST DOCTORAL FELLOW, I.I.T., KANPUR, 1989; FELLOW, SCIENTIST A AND SCIENTIST B, N.M.L., 1989-90; SCIENTIST C, N.M.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : R & D

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 1.5.

5852

SHRI M L BANDHOPADHYAY; (B. APRIL 7, 1940),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '59; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '67.

SPECIALIZATIONS : CHEMICAL ANALYSIS BY CONVENTIONAL AND INSTRUMENTAL METHODS.

EXPERIENCE : S.L.A., J.T.A., S.T.A., SCIENTIST A1 AND SCIENTIST B1, N.M.L., 1962 -89; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : RESEARCH AND CHEMICAL ANALYSIS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 17, QLTY. CONTROL - 12.

5853

SHRI AKHIL CHANDRA BASAK; (B. FEBRUARY 2, 1943),

SENIOR ANALYST (C), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '63; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '68; M.SC. INORGANIC CHEMISTRY - KANPUR '75.

SPECIALIZATIONS : CHEMICAL ANALYSIS OF MINERALS, SILICATES, ORES AND ALLOYS.

EXPERIENCE : S.L.A., C.F.R.I., DHANBAD, 1965-71; J.T.A. AND S.T.A., I.I.T., KANPUR, 1971-81; JUNIOR ANALYST (B) AND SENIOR ANALYST (C), N.M.L., 1981-86; SENIOR ANALYST (C), N.M.L. SINCE JULY, 1986.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS OF MINERALS, SILICATES, ORES AND ALLOYS; INSTRUMENTAL ANALYSIS - GAS CHROMATOGRAPHY; SPECTROPHOTOMETRY (MOLECULAR ABSORPTION).

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : BASIC RES. - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, TESTING - 20.

5854

SHRI A K BHATTAMISHRA; (B. JUNE 3, 1949),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - SAMBALPUR '69; M.SC. CHEMISTRY - SAMBALPUR '71.

SPECIALIATIONS : STRUCTURE PROPERTY CORRELATION; ALUMINIUM ALLOY TECHNOLOGY; CORROSION BEHAVIOUR; INHIBITION OF CORROSION OF METALS AND ALLOYS.

EXPERIENCE : LECTURER, GOVT COLLEGE OF WOMAN, JAMSHEDPUR, 1974-75; S.L.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1975-87; SCIENTIST C, N.M.L. SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : CORROSION BEHAVIOUR OF NON FERROUS AND FERROUS ALLOYS AND THEIR PROTECTION.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 4, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 8, APPLIED RESEARCH - 7, TEACHING - 1, TECHNOLOGY TRANSFER - 1.

5855

DR MADHUKAR BODAS; (B. JUNE 1, 1943),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - JIWAJI '66; M.SC. PHYSICAL CHEMISTRY - JIWAJI '68; PH.D. SOLID STATE CHEMISTRY - I.I.T., BOMBAY '74.

SPECIALIZATIONS : EXTRACTIVE METALLURGY.

EXPERIENCE : POOL OFFICER (CSIR) AND SCIENTIST B, N.M.L., 1975-82; SCIENTIST C, N.M.L. SINCE MAY, 1982; (ALSO VISITED BULGARIA UNDER EXCHANGE PROGRAMME, 1989)

PRESENT ACTIVITIES : R & D.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : BULGARIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 26, TECH. REPORTS - 6, PATENT - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP RES. - 12.

5856

SHRI BIMAL CHANDRA BOSE; (B. NOVEMBER 4, 1940),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '61; DIPLOMA IN METALLURGICAL ENGINEERING - JAMSHEDPUR TECHNICAL INSTITUTE '68.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1962-87; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D RELATED TO ANALYSIS OF ORES, MINERALS, FUELS, REFRACTORY MATERIALS, FERROUS AND NON-FERROUS METALS AND ALLOYS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 26.

5857

SHRI SANTIPADA CHAKRABORTY; (B. JULY 13, 1939),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '61; DIPLOMA IN METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE '68; A.M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS (INDIA) '78.

SPECIALIZATIONS : MELTING, CASTING AND HEAT TREATMENT OF FERROUS ALLOYS; TESTING OF METALS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.M.L., 1963-89; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : RESEARCH IN MELTING, CASTING AND HEAT TREATMENT OF FERROUS ALLOYS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 5, REVIEW PAPERS - 2, PATENTS FILED - 4, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28.

5858

DR K CHANDRASEKHAR; (B. FEBRUARY 23, 1959),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5859

SHRI ARUP KUMAR CHATTERJEE; (B. JUNE 21, 1938),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '60; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '66.

SPECIALIZATIONS : CHEMICAL AND INSTRUMENTAL ANALYSIS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.M.L., 1962-89; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : METALLURGICAL CHEMICAL ANALYSIS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 25.

5860

SHRI S CHATTERJEE; (B. MARCH 2, 1947),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5861

DR(MRS) LALITHA CHATTOPADHYAY; (B. JULY 23, 1956),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.SC. - MADRAS '76; M.SC. MATHEMATICS - SAMBALPUR '79; PH.D. MATHEMATICS - I.I.T., BOMBAY '85.

SPECIALIZATIONS : APPLIED MATHEMATICS (SOLID MECHANICS); COMPUTER PROCESSING.

EXPERIENCE : SCIENTIST A AND SCIENTIST B, N.M.L., 1986-90; SCIENTIST C, N.M.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : MATHEMATICAL MODELLING.

LANGUAGES : TELUGU, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 7, COMPUTER PROCESSING - 7.

5862

DR INDRANIL CHATTORAJ; (B. OCTOBER 1, 1962),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. METALLURGICAL ENGG. - I.I.T., KANPUR '85; M.S. METALLURGICAL ENGG. - OHIO STATE UNIVERSITY, USA '87; PH.D. METALLURGICAL ENGG. - OHIO STATE UNIVERSITY, USA '91.

SPECIALIZATIONS : CORROSION SCIENCE ENGINEERING.

EXPERIENCE : SCITNIST C, N.M.L. SINCE MARCH, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 2.

5863

SHRID N CHOUDHURY; (B. FEBRUARY 11, 1938),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BIHAR '60; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '71.

SPECIALIZATIONS : CHEMICAL ANALYSIS OF ORES, MINERALS, SILICATES, ALLOYS, FUELS AND GASES.

EXPERIENCE : S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1964-90; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

5864

SHRI P N CHOUDHURY; (B. JANUARY 15, 1956),
SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.SC. ENGG. METALLURGY - B.I.T. SINDRI, RANCHI '80; M.TECH. METALLURGICAL ENGINEERING - I.I.T., KANPUR '84.

SPECIALIZATIONS : PROCESS METALLURGY(STEEL MAKING); MARKETING; TECHNOLOGY TRANSFER; TECHNO-ECONOMIC SURVEYS.

EXPERIENCE : GRADUATE TRAINEE, ASST. APPLICATION ENGINEER AND SENIOR MARKETING ENGINEER, TATA-YODOGAWA LTD. JAMSHEDPUR, 1980-89; SCIENTIST C, N.M.L. SINCE NOVEMBER, 1989.

PRESENT ACTIVITIES : TECHNO-ECONOMIC SURVEYS, TECHNOLOGY TRANSFER, PROCESS & PROJECT ENGINEERING.

LANGUAGES : MAITHILI, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

AWARDS & DISTINCTIONS : KAMANI GOLD MEDAL (SCROLL OF HONOUR), INDIAN INSTITUTE OF METALS, CALCUTTA, 1985.

PROFESSIONAL EXPERIENCE(IN YEARS) : PRODUCTION - 2, TECHNO-ECONOMIC SURVEYS - 1 TECHNOLOGY TRANSFER - 1, SALES MARKETING - 5.

5865

SHRI S K ROY CHOUDHURY; (B. JANUARY 3, 1937),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '59; DIPLOMA IN METALLURGY - TATA TECHNICAL INSTITUTE, JAMSHEDPUR '70.

SPECIALIZATIONS : METALS AND ALLOYS; METAL EXTRACTION THROUGH ELECTROPYROMETALLURGY; METAL VALUE RECOVERY THROUGH CHEMICAL METALLURGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1960-86; SCIENTIST C, N.M.L. SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : R & D IN CHEMICAL AND ELECTROMETALLURGY.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : USSR, POLAND, W. GERMANY, FRANCE, DENMARK, U.K., HOLLAND, BELGIUM, ITALY.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH. REPORTS - 8, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 27.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27.

5866

SHRI AMITAVA DAS; (B. AUGUST 11, 1940),

SCIENTIST C, NML FIELD STATION, HOWRAH (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : B.SC. - CALCUTTA '61; M.I.I.F. - INSTITUTE OF INDIAN FOUNDRYMEN '85.

SPECIALIZATIONS : FOUNDRY SAND TESTING AND FOUNDRY MOULDING MATERIALS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.M.L., 1962-91; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : SAND TESTING; MECHANICAL TESTING AND MICROSTRUCTURE EXAMINATION OF METALS AND ALLOYS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 45.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TESTING - 20, QLT. CONTROL - 20.

5867

SHRI SAMAR DAS; (B. SEPTEMBER 11, 1944),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BURDWAN '66; A.M.I.I.M. PHYSICAL METALLURGY - INDIAN INSTITUTE OF METALS '76.

SPECIALIZATIONS : METALLURGY.

EXPERIENCE : LAB. ASST. IN PHYSICS, GUSHKARA MAHAVIDYALAYA DEGREE COLLEGE, BURDWAN, 1966-69; LAB. ASST. (METALLURGY), B.E. COLLEGE, HOWRAH, 1969-74; TECH. ASST., S.T.A., AND TECHNICAL OFFICER, I.I.T., KANPUR, 1974-86; SCIENTIST C, N.M.L. SINCE APRIL, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 2.

AWARDS & DISTINCTIONS : AWARD FOR ELECTRON MICROSCOPY AND NEW TECHNIQUES IN ELECTRON MICROSCOPY, I I M, 1988-90.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES - 10, APP RES - 10, OPERATION - 5, CONSULTANCY - 2.

5868

SHRI SUCHANDAN KUMAR DAS; (B. MAY 8, 1959),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - SAMBALPUR '76; M.SC. PHYSICS - SAMBALPUR '79; M.TECH. NUCLEAR ENGINEERING - I.I.T., KANPUR '82;

SPECIALIZATIONS : MATHEMATICAL MODELLING OF TRANSPORT PHENOMENA; COMBUSTION AND GASIFICATION; HEAT AND MASS TRANSFER; REACTOR DYNAMICS AND SIMULATION; SIGNAL PROCESSING.

EXPERIENCE : GEO SCIENTIST, ONGC, 1983-86; RESEARCH ENGINEER, MHD PROJECT, BHEL, 1986-88; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : MATHEMATICAL/COMPUTER MODELLING IN THE AREA OF TRANSPORT PHENOMENA IN METALLURGY.

LANGUAGES : BENGALI, HINDI, ORIYA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 4, SOFTWARE COPYRIGHTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 9, COMPUTER PROCESSING - 5.

5869

SHRI SWAPAN KUMAR DAS; (B. JUNE 8, 1953),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - CALCUTTA '73; B.TECH. CHEMICAL ENGG. & CHEMICAL TECHNOLOGY - CALCUTTA '76; M.TECH. CERAMICS - CALCUTTA '78; CERTIFICATE IN STATISTICAL QUALITY CONTROL - I.S.I. CALCUTTA '83.

SPECIALIZATIONS : ADVANCED CERAMICS; ELECTRICAL CERAMICS; REFRACTORIES; STATISTICAL QUALITY CONTROL.

EXPERIENCE : TRAINEE, TATA REFRACTORIES LTD., BELPAHAR, ORISSA, 1976; MANAGEMENT TRAINEE ENGINEER, GRAPHIK INDIA LTD., BANGALORE, 1979-81; ENGINEER/SENIOR ENGINEER, BHARAT HEAVY ELECTRIC LTD. EPD, BANGALORE, 1981-88; MANAGER, MURDESHWAR CERAMICS LTD, HUBLI, 1988-89; MANAGER, GARDENCITY ENGINEERS PVT. LTD, HUBLI, 1989-90; SCIENTIST C, N.M.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 10, ARTICLES - 1, POPULAR SCIENCE BOOKS - 1, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 4, APPLIED RESEARCH - 2, TECHNICAL DEV. - 1, PILOT PLANT - 1, QUALITY CONTROL - 1/2, PRODUCTION - 1, TECHNOLOGY TRANSFER - 1, PLANT ERECTION & COMMISSIONING - 1.

5870

SHRI PRANAB DASGUPTA; (B. APRIL 3, 1941),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '60; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '71.

SPECIALIZATIONS : CHEMICAL AND INSTRUMENTAL ANALYSIS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1963-87; SCIENTIST C, N.M.L. SINCE JUNE, 1987.

PRESENT ACTIVITIES : R & D OF FERROUS AND NON-FERROUS METALS, ALLOYS, ORES AND MINERALS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 8, TESTING - 19.

5871

SHRI ASISH KUMAR DATTA; (B. DECEMBER 2, 1959),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

SPECIALIZATIONS : STRUCTURAL ENGINEERING.

EXPERIENCE : SCIENTIST C, N.M.L. SINCE SEPTEMBER, 1991.

5872

SHRI ARJUN DEV; (B. JULY 1, 1937),

SCIENTIST CI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : CERTIFICATE IN ELECTRICAL ENGINEERING - INDIAN NAVY '54.

SPECIALIZATIONS : ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIR.

EXPERIENCE : ELECTRICAL MECHANIC II, ELECTRICAL MECHANIC I, LOADING ELECTRICAL MECHANIC AND PETTY OFFICER (ELECTRICAL), INDIAN NAVY, 1953-64; J.T.A., S.T.A., SCIENTIST A AND SCIENTIST BI, N.M.L., 1965-86; (ALSO UNIDO FELLOW FOR TRAINING IN CREEP LABORATORY INSTRUMENTATION, U.K., 1975-76); SCIENTIST CI, N.M.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : REPAIR AND MAINTENANCE OF ELECTRICAL EQUIPMENT.

LANGUAGES : HINDI, URDU, ENGLISH.

VISITED : SOUTH YEMEN, EGYPT, CYPRUS, TURKEY, LIBYA, MALTA, FRANCE, SRI LANKA, MALAYASIA, SINGAPORE, REPUBLIC OF IRELAND, U.K.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE & REPAIR OF ELECTRICAL & ELECTRONIC EQUIPMENT - 26.

5873

SHRI SHAILENDRA CHANDRA DEV; (B. JULY 7, 1940),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - DACCA '61; A.M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS '77.

SPECIALIZATIONS : DEVELOPMENT OF AG BASED CONTACT MATERIALS AND BRAZING ALLOYS; METAL CLADDING; MECHANICAL METALLURGY; EXTRUSION OF NON-FERROUS ALLOYS.

EXPERIENCE : ASSISTANT TEACHER, R.D. TATA HIGHER SECONDARY SCHOOL, JAMSHEDPUR, 1963-65; S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1965-88; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN PRECIOUS METAL CONTACT AND BRAZING ALLOYS AND EXTRUSION OF NON-FERROUS ALLOYS.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 6, PATENTS FILED - 10, PROCESSES DEVELOPED - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, TECH. DEV. - 4, TESTING - 2, TECHNO-ECONOMIC SURVEYS - 1.

5874

SHRI BALA RAM DUTTA; (B. APRIL 24, 1938),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '59; DIPLOMA IN MECHANICAL ENGINEERING - TATA TECHNICAL INSTITUTE, JAMSHEDPUR '69; CERTIFICATE IN ENGINEERING DRAWING - TATA TECHNICAL INSTITUTE, JAMSHEDPUR.

SPECIALIZATIONS : CHEMICAL ANALYSIS OF METALS, ALLOYS AND ORES.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1963-87; SCIENTIST C, N.M.L. SINCE JUNE, 1987.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 6, TESTING - 22.

5875

SHRI T K GANGADHARAN; (B. NOVEMBER 13, 1940),

SCIENTIST CI, (NML UNIT, MADRAS), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - KERALA '64.

SPECIALIZATIONS : REFRACTORIES.

EXPERIENCE : S.L.A., J.S.A., S.T.A. AND SCIENTIST BI, N.M.L., 1964-90; SCIENTIST CI, N.M.L. SINCE SEPTEMBER, 1990.

PRESENT ACTIVITIES : R & D; TESTING AND QUALITY CONTROL.

LANGUAGES : MALAYALAM, TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 2, ARTICLES - 1, PATENTS FILED - 1, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TECH. DEV. - 1, TESTING - 11, QLTY. CONTROL - 11, PRODUCTION - 1.

5876

SHRI NRIPENDRA NATH GANGULY; (B. JANUARY 2, 1941),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '61; AIC CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '75.

SPECIALIZATIONS : CHEMICAL ANALYSIS OF METALS, ALLOYS, ORES, MINERALS AND SILICATES.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.M.L., 1964-88; SCIENTIST C, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN ANALYTICAL CHEMISTRY.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 7, R & D MGMT. - 20.

5877

MRS SUNANDA GHOSAL; (B. NOVEMBER 5, 1938),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '60; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '72.

SPECIALIZATIONS : INSTRUMENTAL CHEMICAL ANALYSIS; WET CHEMICAL ANALYSIS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.M.L., 1964-88; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : INSTRUMENTAL AND CHEMICAL ANALYSIS OF METALLURGICAL PRODUCTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27.

5878

SHRI BIRENDRA NATH GHOSE; (B. FEBRUARY 11, 1938),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '60; M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS, CALCUTTA '78.

SPECIALIZATIONS : MECHANICAL METALLURGY; CLAD METALS AND THERMOSTAT BI-METALS; THERMO MECHANICAL PROCESSING; POWDER METALLURGY.

EXPERIENCE : S.L.A., J.S.A., S.T.A., SCIENTIST A1 AND SCIENTIST B1, N.M.L., 1962-88; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : APPLIED METALLURGICAL RESEARCH.

LANGUAGES : BENGALI, HINDI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 4, PATENTS TAKEN - 2, PATENTS FILED - 2, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 29.

5879

SHRI S B GHOSH; (B. JANUARY 1, 1939),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '59.

SPECIALIZATIONS : FERROUS PRODUCTION TECHNOLOGY.

EXPERIENCE : S.L.A., FURNACE TECHNICIAN, J.S.A., S.S.A. AND SCIENTIST B, N.M.L., 1960-90; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : FERROUS PRODUCTION.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 5, PROCESSES DEVELOPED - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 10, OPERATION - 10, PRODUCTION - 10.

5880

SHRI TARUN KUMAR GHOSHAL; (B. JANUARY 8, 1953),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '72; B.TECH. CHEMICAL ENGINEERING & CHEMICAL TECHNOLOGY - CALCUTTA '75; M.TECH. CHEMICAL ENGINEERING - CALCUTTA '77.

SPECIALIZATIONS : CHEMICAL ENGINEERING; TECHNO-ECONOMIC VIABILITY; PROCESS EQUIPMENT DESIGN; PROJECT MONITORING.

EXPERIENCE : SALES ENGINEER, KEM DYNE M/C PVT. LTD., CALCUTTA, 1978-79; YOUNG PROFESSIONAL AND LATER ON AS CONSULTANT (TECH.), WEST BENGAL CONSULTANCY ORGANISATION (WEBCON), CALCUTTA, 1979-82; ASSISTANT ENGINEER, N R D C, NEW DELHI, 1982-87; SCIENTIST C, N.M.L. SINCE JANUARY, 1987.

PRESENT ACTIVITIES : LIAISON AND RESEARCH COORDINATION FOR TECHNOLOGY TRANSFER.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : NEPAL.

PROFESSIONAL EXPERIENCE(IN YEARS) : SALES ENGR. - 1, CONSULTANCY - 3, TECHNO-ECONOMIC SURVEYS & TECHNOLOGY TRANSFER - 8.

5881

SHRI MANIK CHANDRA GOSWAMI; (B. MARCH 16, 1954),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '73; B.MET.E. METALLURGICAL ENGINEERING - JADAVPUR '78; M.TECH.E. METALLURGICAL ENGG. - JADAVPUR '81.

SPECIALIZATIONS : PROCESS METALLURGY.

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1982-88; SCIENTIST C, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH IN FERROUS METALLURGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 3, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9, PILOT PLANT - 5, TESTING - 5.

5882

DR NANI GOPAL GOSWAMI; (B. MARCH 1, 1957),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

Q

QUALIFICATIONS : B.SC.(HONS.) ZOOLOGY - SHILLONG '76; M.SC.ZOOLOGY(ENTOMOLOGY) - NORTH EASTERN HILL UNIVERSITY '78; PH.D. ECOLOGY - NORTH EASTERN HILL UNIVERSITY '85; D.I.M. MANAGEMENT - I.G.N.O.U., NEW DELHI '92.

SPECIALIZATIONS : ECOLOGY; ENTOMOLOGY; PUBLICATIONS PUBLICITY PUBLIC RELATIONS; R & D MANAGEMENT PLANNING; TECHNOLOGY UTILIZATION MARKETING.

EXPERIENCE : LECTURER, ST. EDMUNDS COLLEGE, SHILLONG, 1978; LECTURER, KOKRAJHAR COLLEGE, ASSAM, 1978-79; LECTURER, ST.EDMUNDS COLLEGE, 1979; J.R.F., S.R.F., N.E. HILL UNIVERSITY, SHILLONG, 1980-84; SCIENTIST B AND SCIENTIST C, R.R.L. JORHAT, 1984-91; SCIENTIST C, N.M.L. SINCE SEPTEMBER, 1991.

PRESENT ACTIVITIES : EDITING; PUBLICATIONS; PUBLICITY & PUBLIC RELATIONS.

LANGUAGES : BENGALI, ASSAMESE, ENGLISH, HINDI, SANSKRIT, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 28, TECH. REPORTS - 18, ARTICLES - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES - 6, APPLIED RESEARCH - 1, R & D MANAGEMENT - 4, MAINTENANCE - 2, TEACHING - 6, SURVEY OF NAT.RES - 7, TECHNO-ECO SURVEYS - 5, PLANNING - 7, TECH. TRANSFER - 7, SALES MARKETIN - 4, EDITING - 12, DOCUMENTATION - 12, COMPUTER PROC. - 2, EXTENSION - 7.

5883

DR SRIDHAR GUDIPATI; (B. SEPTEMBER 19, 1956),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. METTALURGY - KAKATIYA '80; M.TECH. PHYSICAL METALLURGY - B.H.U. '82; PH.D. PHYSICAL METALLURGY - B.H.U. '88.

SPECIALIZATIONS : PHYSICAL METALLURGY; MECHANICAL METALLURGY; STRUCTURAL METALLURGY; RAPID SOLIDIFICATION PROCESSING.

EXPERIENCE : SCIENTIST B, N.M.L. JAMSHEDPUR, 1988-89; SCIENTIST C, N.M.L. JAMSHEDPUR SINCE JULY, 1989.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 9.

5884

SHRI P P GUPTA; (B. JANUARY 5, 1941),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BIHAR '60; A.I.C. FUEL & GAS ANALYSIS - INSTITUTION OF CHEMISTS (INDIA) '71.

SPECIALIZATIONS : CHEMICAL ANALYSIS OF FERROUS, NONFERROUS METALS & ALLOYS, ORES & MINERALS.

EXPERIENCE : J.S.A., N.I.F.F.T, RANCHI, 1975; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS OF FERROUS, NONFERROUS METALS, ORES, ALLOYS AND MINERALS.

LANGUAGES : HINDI, GUJARATI, ENGLISH.

5885

SHRI R N P GUPTA; (B. SEPTEMBER 17, 1936),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BIHAR '58.

SPECIALIZATIONS : FOUNDRY TECHNOLOGY.

EXPERIENCE : SAND TESTER, T.E.L.C.O., JAMSHEDPUR, 1961-66; SCIENTIST A AND SCIENTIST B, N.M.L., 1966-86; SCIENTIST C, N.M.L. SINCE SEPTEMBER, 1986.

PRESENT ACTIVITIES : R & D MANAGEMENT.

LANGUAGES : HINDI, GUJARATI, ENGLISH, PUNJABI.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 15, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17, DESIGN - 2, TECH. DEV. - 17, CONSULTANCY - 17, TESTING - 2, QLTY. CONTROL - 26, PRODUCTION - 5, ADMN. - 17.

5886

SHRI G V RAMA IYER; (B. MARCH 1, 1943),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5887

DR JOSE JAMES; (B. OCTOBER 20, 1958),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.SC. - MYSORE '80; M.SC. CHEMISTRY - MYSORE '82; PH.D. CERAMICS - I.I.Sc., BANGALORE '86.

SPECIALIZATIONS : CEMENT TECHNOLOGY; CERAMICS; COMPOSITE MATERIALS.

EXPERIENCE : J.R.F. AND S.R.F., I.I.Sc. BANGALORE, 1984-86; OFFICIAL E2, N.C.B., DELHI, 1986-88; SCIENTIST B, R.R.L. BHOPAL, 1988-91; SCIENTIST C, N.M.L. SINCE DECEMBER, 1991.

PRESENT ACTIVITIES : APPLIED AND BASIC RESEARCH.

LANGUAGES : MALAYALAM, ENGLISH, HINDI, KANNADA, TAMIL.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 8, SCIENTIFIC BOOKS - 2, ARTICLES - 5, PATENTS FILED CURRENTLY - 2, PROCESSES DEVELOPED - 3, PROCESS UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 10, APPLIED RESEARCH - 6.5, PILOT PLANT - 2, R & D MANAGEMENT - 1, TEACHING - 1, PLANNING - 1, TECH. TRANSFER - 1, ADMINISTRATION - 2, DOCUMENTATION - 2.

5888

SHRI RANAJIT KUMAR JANA; (B. MARCH 1, 1953),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '72; B.TECH. METALLURGICAL ENGINEERING - B.H.U. '78; M.SC. (ENGG.) PROCESS METALLURGY - RANCHI '88; PH.D. - I.I.T., KHARAGPUR '89.

SPECIALIZATIONS : PROCESS METALLURGY; FERROUS AND NONFERROUS METALLURGY.

EXPERIENCE : GRADUATE TRAINEE, TINPLATE CO. OF INDIA LTD., JAMSHEDPUR, 1980-81; S.S.A. AND SCIENTIST B, N.M.L., 1981-88; SCIENTIST C, N.M.L. SINCE MAY, 1988

PRESENT ACTIVITIES : R & D IN METALLURGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 9, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 6.

5889

SHRI GURDEV JAURA; (B. SEPTEMBER 3, 1937),

SCIENTIST CI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN CRAFTSMANSHIP (ELECTRICATION TRADE) - D.G.R. & E., GOVERNMENT OF INDIA '57; DIPLOMA IN INSTRUMENTATION - SCHOOL OF CAREERS, LONDON '72; CERTIFICATE IN INSTRUMENTS DESIGN - INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, BOMBAY '75; DIPLOMA IN COMPUTER MANAGEMENT - INDIAN INSTITUTE OF COMPUTER MANAGEMENT, AHMEDABAD '80; CERTIFICATE COURSE ON MICRO-PROCESSORS AND THEIR APPLICATIONS - INSTITUTION OF INSTRUMENTATION SCIENTISTS & TECHNOLOGISTS, JADAVPUR '81; SAHITYA BHUSHAN - HINDI VIDYAPEETH, DEOGHAR '73.

SPECIALIZATIONS : INSTRUMENTATION.

EXPERIENCE : ASSISTANT ELECTRICIAN, PUNJAB ROADWAYS, AMBALA, 1957-58; ELECTRICIAN, M.E.S., AMBALA CANTT., 1958; MECHANIC (ELECTRICAL), N.D.R.I., KARNAL, 1958-60; J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1960-86; SCIENTIST CI, N.M.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF MEASUREMENT/CONTROL SYSTEMS AND VARIOUS TESTING TECHNIQUES INCLUDING CORROSION INSTRUMENTATION AS WELL AS MECHANICAL TESTING OF METALS.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, TECH. DEV. - 7, TESTING - 13, MAINTENANCE - 13.

5890

SHRI S N JHA; (B. MARCH 31, 1937),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '59; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '66.

SPECIALIZATIONS : CHEMICAL ANALYSIS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1961-86; SCIENTIST C, N.M.L. SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS OF METALS, ALLOYS, SILICATES, ORES AND MINERALS.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, TESTING - 29.

5891

DR ASHOK JOARDER; (B. MARCH 1, 1955),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5892

SHRI SOMNATH KAR; (B. NOVEMBER 4, 1936),

SCIENTIST CI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL DRAFTSMANSHIP - ORISSA SCHOOL OF ENGG. CUTTACK, ORISSA '56; BASIC TECHNICAL COURSE - TATA TECHNICAL INSTITUTE, JAMSHEDPUR '63; CERTIFICATE IN MAINTENANCE ENGINEERING - PRODUCTIVITY COUNCIL, JAMSHEDPUR '73.

SPECIALIZATIONS : DESIGN AND PREPARATION OF DRAWINGS OF PILOT PLANT EQUIPMENT; REPROGRAPHY; MATERIALS MANAGEMENT.

EXPERIENCE : JUNIOR DRAFTSMAN, SENIOR DRAFTSMAN, J.T.A., S.T.A. AND SCIENTIST BI, N.M.L., 1957-90; SCIENTIST CI, N.M.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : MATERIALS MANAGEMENT; REPROGRAPHY SERVICES; INFRASTRUCTURE SUPPORT TO R & D.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 8, CONSTRUCTION - 2, MAINTENANCE - 15, ADMN. - 10, REPROGRAPHY - 15.

5893

SHRI DEBAL KUMAR KHAN; (B. JUNE 28, 1942),

SCIENTIST CI, NML MARINE CORROSION RESEARCH STATION, DIGHA (NML, JAMSHEDPUR).

QUALIFICATIONS : B.SC. - CALCUTTA '63.

SPECIALIZATIONS : CORROSION OF METALS & ALLOYS AND ITS PREVENTION.

EXPERIENCE : S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST BI, N.M.L., 1964-87; SCIENTIST CI, N.M.L. SINCE JUNE, 1987.

PRESENT ACTIVITIES : CORROSION OF METALS & ALLOYS AND ITS PREVENTION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, TESTING - 16, ADMN. - 7.

5894

SHRI A SESHU KUMAR; (B. JANUARY 22, 1963),
SCIENTIST C, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.TECH. MECHANICAL ENGINEERING
- SRI VENKATESWARA '84; M.TECH. PRODUCTION ENGI-
NEERING - I.I.T., BOMBAY '87.

SPECIALIZATIONS : PRODUCTION PROCESS; COMPUTER
APPLICATIONS.

EXPERIENCE : TECHNICAL CONSULTANT, BUREAU OF IN-
DUSTRIAL COSTS & PRICES (BICP), NEW DELHI, 1987-91; SCI-
ENTIST C, N.M.L. SINCE JULY, 1991.

PRESENT ACTIVITIES : EQUIPMENT DESIGN & DEVELOP-
MENT.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNO-
ECON. SURVEYS - 1.

5895

DR RAKESH KUMAR; (B. FEBRUARY 16, 1959),
SCIENTIST C, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR. Q

QUALIFICATIONS : B.SC.(ENGG) METALLURGICAL -
ROURKELA '81; M.TECH. METALLURGICAL ENGINEER-
ING - I.I.T., KANPUR '83; PH.D. METALLURGICAL ENGI-
NEERING - I.I.T., KANPUR '89.

SPECIALIZATIONS : PROCESS METALLURGY.

EXPERIENCE : RESEARCH ASSISTANT, DEPT. OF METAL-
LURGY I.I.T. KANPUR, 1981-83; SCIENTIST B, N.M.L., 1989;
SCIENTIST C, N.M.L. SINCE APRIL, 1989.

PRESENT ACTIVITIES : RESEARCH ON NON FERROUS
METAL EXTRACTION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH.
REPORTS - 1, ARTICLES - 2.

AWARDS & DISTINCTIONS : HARGOPAL MEMORIAL
PRIZE, I I T, KANPUR, 1985.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 8, APP. RES. - 8, COMPUTER PROCESSING - 6.

5896

**SHRI RAMA KANT KUNWAR; (B. JANUARY 1,
1941),**

SCIENTIST CI, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGI-
NEERING - STATE BOARD OF TECHNICAL EDUCATION,
BIHAR '60.

SPECIALIZATIONS : MINERAL DRESSING AND AGGLOM-
ERATION.

EXPERIENCE : GRADUATE APPRENTICE, J.T.A., S.T.A., SCI-
ENTIST A AND SCIENTIST BI, N.M.L., 1962-90; SCIENTIST CI,
N.M.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : MINERAL DRESSING AND AG-
GLOMERATION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 50.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
27, PILOT PLANT - 19, OPERATION - 19, TESTING - 27.

5897

**SHRI RANJIT KUMAR MAHANTI; (B. OCTOBER
27, 1942),**

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BURDWAN '63.

SPECIALIZATIONS : LIQUID METALS; ALUMINIUM AL-
LOYS; CASTING AND FORGING.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCI-
ENTIST B, N.M.L., 1961-88; SCIENTIST C, N.M.L. SINCE SEP-
TEMBER, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 36, TECH.
REPORTS - 12, PROCESSES DEVELOPED - 3, PROCESSES UN-
DER UTILISATION - 1, PATENTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 6, APP. RES. - 20, TESTING - 4, TECHNOLOGY TRANSFER - 4,
CONSULTANCY - 1.

5898

**SHRI MADHU SUDAN MAHANTY; (B. JANUARY
9, 1938),**

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '60.

SPECIALIZATIONS : EXTRACTIVE METALLURGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCI-
ENTIST B, N.M.L., 1961-88; SCIENTIST C, N.M.L. SINCE FEBRU-
ARY, 1988.

PRESENT ACTIVITIES : R & D IN EXTRACTIVE METAL-
LURGY.

LANGUAGES : BENGALI, SANSKRIT, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 28, TECH.
REPORTS - 18, PATENTS TAKEN - 3, PROCESSES DEVELOPED
- 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
28, PILOT PLANT - 6.

5899

**SHRI SANAT KUMAR MAJUMDAR; (B. APRIL 11,
1939),**

SCIENTIST CI, NML FIELD STATION, HOWRAH (NATIONAL
METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : B.SC. - CALCUTTA '61; A.I.C. INSTITUTION OF CHEMISTS (INDIA) '73.

SPECIALIZATIONS : CHEMICAL ANALYSIS OF METALS, ALLOYS, ORES AND REFRACTORIES.

EXPERIENCE : S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST BI, N.M.L., 1962-87; SCIENTIST CI, N.M.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS.

LANGUAGES : BENGALI, HINDI, ENGLISH, FRENCH.

PROFESSIONAL EXPERIENCE (IN YEARS) : TESTING - 28, QUALITY CONTROL - 25.

5900

SHRI SUNIL KUMAR MALAVIYA; (B. JUNE 1, 1950),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. CERAMIC ENGINEERING - B.H.U. '73; M.TECH. CERAMIC ENGINEERING - B.H.U. '77.

SPECIALIZATIONS : ADVANCED TECHNOLOGY OF REFRACTORIES, GLASS AND CERAMIC WHITEWARES; ELECTRONIC CERAMICS.

EXPERIENCE : SCIENTIST C, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN REFRACTORIES TECHNOLOGY.

LANGUAGES : HINDI, SANSKRIT, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 15, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILISATION - 1, PATENTS - 1, PAPERS PRESENTED - 4.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 2, APP. RES. - 15, TECH. DEV. - 15, TESTING - 10, TECH. TRANSFER - 1, R & D - 15.

5901

SHRI S K MANDAL; (B. JANUARY 7, 1960),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.E.E. ELECTRICAL & ELECTRONICS - JADAVPUR '83; M.TECH. ELECTRONICS - I.I.T., KANPUR '85.

SPECIALIZATIONS : DESIGN AND ORGANISATION OF MICROCOMPUTERS; INDUSTRIAL DRIVES; CONTROL SYSTEMS; POWER ELECTRONICS.

EXPERIENCE : ASSISTANT ENGINEER, DEPUTY ENGR., AND ASST. TECH. MANAGER, CENTRAL ELECTRONICS LTD., SAHIBABAD, 1985-89; SCIENTIST C, N.M.L. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : MAINTENANCE, SERVICING AND DESIGN.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : DESIGN - 5, MAINTENANCE - 3.

5902

SHRI S B MATHUR; (B. JUNE 3, 1941),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - AGRA '61.

SPECIALIZATIONS : RARE METALS; FERROALLOYS; NONFERROUS METALS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1965-90; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D IN PRODUCTION OF FERROUS AND NON-FERROUS METALS; TECHNOLOGY TRANSFER; CONSULTANCY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 27, TECH. REPORTS - 12, ARTICLES - 2, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 1, APP. RES. - 10, DESIGN - 2, TECH. DEV. - 5, PILOT PLANT - 1, CONSULTANCY - 1, OPERATION - 1, TESTING - 4, TECHNOLOGY TRANSFER - 2.

5903

SHRI DUSMANTA KUMAR MISHRA; (B. MARCH 3, 1959),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. (HONS) ELECTRONICS & ELECTRICAL COMMUNICATION ENGINEERING - I.I.T., KHARAGPUR '82.

SPECIALIZATIONS : MICROPROCESSOR HARDWARE AND SOFTWARE; MICROPROCESSOR BASED INSTRUMENTATION.

EXPERIENCE : ENGINEER, SENIOR ENGINEER AND SENIOR ASSISTANT ENGINEER, UPTRON INDIA LTD., 1982-87; SCIENTIST C, N.M.L. SINCE AUGUST, 1987.

PRESENT ACTIVITIES : MAINTENANCE, DESIGN AND DEVELOPMENT OF ELECTRONIC INSTRUMENTS.

LANGUAGES : ORIYA, HINDI, ENGLISH.

VISITED : IRELAND, U.K.

PROFESSIONAL EXPERIENCE (IN YEARS) : DESIGN - 2, TESTING - 2, MAINTENANCE - 7.

5904

DR GANGOTRI MISHRA; (B. JULY 1, 1935),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BHU '58; M.SC. PHYSICS - BHU '60; PH.D. METALLURGICAL ENGINEERING - BHU '73.

SPECIALIZATIONS : THERMODYNAMICS; UNIDIRECTIONAL SOLIDIFICATION OF METALS; ALLOY DEVELOPMENT; FUSION AND SURFACE PROPERTIES OF SLAGS AND REFRACTORIES.

EXPERIENCE : J.R.F. AND SCIENTIST B, N.M.L., 1962-70; SCIENTIST C, N.M.L. SINCE OCTOBER, 1970.

PRESENT ACTIVITIES : RESEARCH

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, ALLOY DEVELOPMENT - 12.

5905

SHRI INDUBHUSHAN MISHRA; (B. JANUARY 1, 1958),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(ENGG) CIVIL - RANCHI '81; M.E. STRUCTURAL ENGINEERING - DELHI '87; P.G DIPLOMA IN CONSTRUCTION MANAGEMENT - DELHI, PRODUCTIVITY C COUNCIL.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; CONCRETE TECHNOLOGY.

EXPERIENCE : LECTURER, GOVERNMENT POLYTECHNIC, DUMKA, BIHAR, 1982-83; JUNIOR ENGINEER, DDA, DELHI, 1983-91; SCIENTIST C, N.M.L. SINCE JULY, 1991.

PRESENT ACTIVITIES : CONSTRUCTION AND MAINTENANCE.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 4, CONSTRUCTION - 4, MAINTENANCE - 3, TEACHING - 1.

5906

SHRI PURUSHOTTAM NARAYAN MISHRA; (B. SEPTEMBER 11, 1951),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : M.SC. PHYSICS - RANCHI '73; M.SC. (TECH.) INSTRUMENTATION - BITS, PILANI '76.

SPECIALIZATIONS : COMPUTER-BASED INSTRUMENTATION; ANALYTICAL INSTRUMENTATION; PROCESS CONTROL INSTRUMENTATION; ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEMS.

EXPERIENCE : JUNIOR ENGINEER, M/S BIHAR ALLOY STEELS LTD., PATRATU, 1976-77; PHYSICIST, SAIL, DURGAPUR, 1977-81; ASSISTANT ELECTRONICS ENGINEER AND ELECTRONICS ENGINEER, TISCO, JAMSHEDPUR, 1981-88; SCIENTIST C, N.M.L. SINCE MARCH, 1988.

PRESENT ACTIVITIES : MAINTENANCE, DESIGN, TECHNICAL DEVELOPMENT, BASIC RESEARCH, COMPUTER PROCESSING.

LANGUAGES : HINDI, BENGALI, ENGLISH.

VISITED : SWITZERLAND.

PUBLICATIONS & PATENTS : RES PAPER - 1, ARTICLES - 4, PATENT FIELD CURRENTLY - 1

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF INSTRUMENTATION SCIENTISTS AND TECHNOLOGISTS, INDIA.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 4, MAINTENANCE - 15, DESIGN - 3, TECHNICAL DEVELOPMENT - 3, BASIC RESEARCH - 1.

5907

SHRI K G MISRA; (B. AUGUST 9, 1938),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '59.

SPECIALIZATIONS : CONVENTIONAL AND INSTRUMENTAL CHEMICAL ANALYSIS.

EXPERIENCE : S.L.A., J.T.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1961-86; SCIENTIST C, N.M.L. SINCE MAY, 1986.

PRESENT ACTIVITIES : METALLURGICAL CHEMICAL ANALYSIS; PREPARATION OF STANDARD REFERENCE MATERIALS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 21, PREPARATION OF STANDARDS - 9.

5908

DR AMITAVA MITRA; (B. SEPTEMBER 21, 1959),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - CALCUTTA '79; M.SC. PHYSICS - CALCUTTA '81; PH.D. PHYSICS - I.I.T., KHARAGPUR '87.

SPECIALIZATIONS : SOLID STATE PHYSICS.

EXPERIENCE : SCIENTIST C, N.M.L. SINCE JULY, 1990.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, ENGLISH, SPANISH.

VISITED : SPAIN, ITALY.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES - 3, APP. RES. - 3.

5909

SHRI DILIP KUMAR MUKHERJEE; (B. OCTOBER 1, 1936),

MECHANICAL & ELECTRICAL ENGINEER (C), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - JAMSHEDPUR TECHNICAL INSTITUTE '62; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '72; M.MUSIC HINDUSTANI CLASSICAL MUSIC - PRAYAG SANGIT SAMITI, ALLAHABAD '79.

SPECIALIZATIONS : MACHINE SHOP ENGINEERING; PLANT CONSTRUCTION; INSTALLATION AND MAINTENANCE; ALUMINIZING.

EXPERIENCE : WORKED IN VARIOUS CAPACITIES FROM OPERATOR TO RATE - SETTER, TISCO LTD., JAMSHEDPUR, 1955-60; S.S.A. (MECH.), MECHANICAL & ELECTRICAL ENGINEER (A) AND MECHANICAL & ELECTRICAL ENGINEER (B), N.M.L., 1964-85; MECHANICAL & ELECTRICAL ENGINEER (C), N.M.L. SINCE JUNE, 1985.

PRESENT ACTIVITIES : HOUSING MAINTENANCE; CONSTRUCTION/MAINTENANCE OF PILOT PLANTS.

LANGUAGES : BENGALI, HINDI, ASSAMESE, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, DESIGN - 2, PILOT PLANT - 8, CONSTN. - 4, OPERATION - 2, MAINTENANCE - 6, PLANNING - 3.

5910

SHRI A M PANDEY; (B. AUGUST 2, 1941),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5911

DR(MISS) JYOTI LATA PANDEY; (B. JULY 27, 1954),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - KANPUR '73; B.ED. SCIENCE & MATHS - KANPUR '76; M.SC. PHYSICAL CHEMISTRY - KANPUR '77; PH.D. METALLURGY - ROORKEE '84.

SPECIALIZATIONS : PHYSICAL CHEMISTRY; HIGH TEMPERATURE OXIDATION; MINERAL BENEFICIATION; HIGH TEMP COATING/ELECTROCHEMICAL CORROSION DISPLAY STRUCTURES.

EXPERIENCE : J.R.F., S.R.F., P.D.F., RESEARCH ASSOCIATE AND POOL OFFICER, UNIVERSITY OF ROORKEE, 1982-89; SCIENTIST C, N.M.L. SINCE MAY, 1989.

PRESENT ACTIVITIES : CORROSION PROTECTION.

LANGUAGES : HINDI, GUJARATI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC & APP. RES. - 10, DESIGN - 3, TESTING - 1, TEACHING - 3.

5912

DR NARAYAN PARIDA; (B. OCTOBER 11, 1954),

SCIENTIST C, NATIONAL METALLURGICAL ENGINEERING, JAMSHEDPUR.

QUALIFICATIONS : M.SC. METALLURGICAL ENGINEERING - UNIVERSITY OF MINING & METALLURGY, CZECHOSLOVAKIA '81; PH.D. PHYSICAL METALLURGICAL - UNIVERSITY OF MINING & METALLURGY, CZECHOSLOVAKIA '84.

SPECIALIZATIONS : PHYSICAL METALLURGY; FATIGUE AND FRACTURE; ACOUSTIC EMISSION TESTING.

EXPERIENCE : POOL OFFICER AND SCIENTIST B, N.M.L., 1975-89; SCIENTIST C, N.M.L. SINCE JULY, 1989.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : ORIYA, HINDI, ENGLISH, CZECH, GERMAN.

VISITED : CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 6.

5913

SHRI P N PATHAK; (B. JANUARY 27, 1943),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) - RANCHI '66; M.SC. GEOLOGY - RANCHI '76.

SPECIALIZATIONS : BENEFICIATION OF GRAPHITE; MINERAL PROCESSING; SEDIMENTARY PETROLOGY.

EXPERIENCE : S.L.A., J.T.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1968-88; SCIENTIST C, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN MINERAL PROCESSING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : BASIC RES. - 3, INVESTIGATION REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22.

5914

SHRI K K PAUL; (B. AUGUST 2, 1956),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5915

DR S PRABHAKAR; (B. JUNE 20, 1956),

SCIENTIST C, N.M.L. MADRAS CENTRE (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : B.SC. - S.V. UNIVERSITY '76; M.SC. INORGANIC CHEMISTRY - S.V. UNIVERSITY '78; PH.D. CHEMISTRY - S.V. UNIVERSITY '84.

SPECIALIZATIONS : CHEMISTRY; MINERAL PROCESSING.

EXPERIENCE : SCIENTIST C, N.M.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D IN MINERAL PROCESSING.

LANGUAGES : TELUGU, HINDI, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APP. RES. - 5.

5916

SHRI SUDHAKAR PRAMANIK; (B. DECEMBER 6, 1939),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - RANCHI '61; DIPLOMA IN METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE '68; A.M.I.M. - INDIAN INSTITUTE OF METALS '77; M.SC. (ENGG) - RANCHI '88.

SPECIALIZATIONS : MAGNETIC MATERIALS; REFRACTORIES.

EXPERIENCE : DEMONSTRATOR, GRADUATE APPRENTICE, J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1961-87; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D.**LANGUAGES** : BENGALI, HINDI, URDU, ORIYA, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 8, TECH. REPORTS - 1, FAILURE INVESTIGATION REPORTS - 2, PROCESSES DEVELOPED - 1, PATENT - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 25, OPERATION - 1, TESTING - 4, TEACHING - 1.**5917****DR ANJAN PRODHAN; (B. JANUARY 2, 1962),**

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.E. METALLURGY - CALCUTTA '82; M.TECH. METALLURGY - IIT, KHARAGPUR '84; PH.D. METALLURGY - I.I.T., KHARAGPUR '89.**SPECIALIZATIONS** : FERROUS EXTRACTIVE METALLURGY; FOUNDRY METALLURGY.**EXPERIENCE** : SCIENTIST B, N.M.L., 1988-90; SCIENTIST C, N.M.L. SINCE JULY, 1990.**PRESENT ACTIVITIES** : R & D IN FOUNDRY METALLURGY.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 6, TECH. REPORTS - 1.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 6.**5918****DR G BHASKAR RAJU; (B. OCTOBER 2, 1955),**

SCIENTIST C, N.M.L. MADRAS CENTRE (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : M.SC. CHEMISTRY - S.V. UNIVERSITY '78; PH.D. CHEMISTRY - S.V. UNIVERSITY '85.**SPECIALIZATIONS** : MINERAL CHEMISTRY; MINERAL PROCESSING.**EXPERIENCE** : SCIENTIST C, N.M.L. SINCE NOVEMBER, 1988; (ALSO VISITING SCIENTIST, LULIA UNIVERSITY OF TECHNOLOGY, SWEDEN, 1989-90).**PRESENT ACTIVITIES** : R & D IN MINERAL PROCESSING.**LANGUAGES** : TELUGU, HINDI, TAMIL, ENGLISH.**VISITED** : SWEDEN.**PUBLICATIONS & PATENTS** : RES. PAPERS - 10, TECH. REPORTS - 3.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 12, APP. RES. - 5.**5919****DR S RANGANATHAN; (B. OCTOBER 10, 1958),**

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. CHEMISTRY - MADRAS '78; B.E. METALLURGY - I.I.Sc. '81; PH.D. METALLURGY - I.I.Sc. '88.**SPECIALIZATIONS** : THERMODYNAMICS; PHASE DIAGRAM STUDIES; PHYSICAL CHEMISTRY.**EXPERIENCE** : GRADUATE ENGINEER, ASHOK LEYLAND, MADRAS, 1981-82; RESEARCH ASSOCIATE, I.I.Sc., BANGALORE, 1988-89; SCIENTIST C, N.M.L. SINCE JULY, 1989.**PRESENT ACTIVITIES** : THERMODYNAMICS AND PHASE DIAGRAM.**LANGUAGES** : TAMIL, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 13.**AWARDS & DISTINCTIONS** : JUBILEE BURSARY AWARD, INSTITUTE OF TECHNOLOGY, B H U, BANARAS, 1990.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 9, APP. RES. - 2.**5920****DR V R RANGANATHAN; (B. AUGUST 10, 1958),**

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5921**DR K VISWESWARA RAO; (B. JULY 1, 1951),**

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : M.SC. (TECH.) APPLIED GEOLOGY - ANDHRA '75; PH.D. GEOLOGY - ANDHRA '81.**SPECIALIZATIONS** : ORE MINERALOGY AND ORE DRESSING.**EXPERIENCE** : SCIENTIST B, N.M.L., 1981-87; SCIENTIST C, N.M.L. SINCE MAY, 1987.**PRESENT ACTIVITIES** : R & D OF INDUSTRIAL MINERALS; COAL FLOTATION AND TUNGSTEN BENEFICIATION.**LANGUAGES** : TELUGU, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 5; TECH. REPORTS - 12.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 5, APP. RES. - 2, PILOT PLANT - 1, TEACHING - 3, EDITING - 2.**5922****DR A K ROY; (B. JANUARY 5, 1950),**

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - CALCUTTA '69; M.SC. INORGANIC CHEMISTRY - NORTH BENGAL '71; PH.D. INORGANIC CHEMISTRY - CALCUTTA '78.**SPECIALIZATIONS** : SOLID STATE CHEMISTRY; CERAMIC WHISKERS/FIBRES; CERAMIC MATRIX COMPOSITES.**EXPERIENCE** : J.R.F., S.R.F. AND P.D.F., I.A.C.S., CALCUTTA, 1973-80; POST-DOCTORAL FELLOW, UNIVERSITY OF COLORADO, U S A, 1980-83; POOL OFFICER (CSIR), R.R.L., BHOPAL, 1983-85; SCIENTIST B, R.R.L., BHOPAL, 1985-87; SCIENTIST C, N.M.L. SINCE DECEMBER, 1987.**PRESENT ACTIVITIES** : R & D IN CERAMIC WHISKERS/FIBRES AND CERAMIC COMPOSITES.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**VISITED** : U S A**PUBLICATIONS & PATENTS** : RES. PAPERS - 23, PATENTS TAKEN - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 9, TECH. DEV. - 4, QLTY CONTROL - 5, SURVEY OF NATURAL RESOURCES - 3.

5923

DR ASHOK KUMAR ROY; (B. JUNE 24, 1959),
SCIENTIST C, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR. Q

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - I.I.T., KHARAGPUR '79; B.E. METALLURGY - I.I.Sc., BANGALORE '82; M.SC. (ENGG) MECHANICAL - I.I.Sc., BANGALORE '84; PH.D. METALLURGY - I.I.Sc., BANGALORE '88.

SPECIALIZATIONS : FATIGUE CRACK GROWTH STUDIES; WELDING; FRACTURE TOUGHNESS STUDIES.

EXPERIENCE : POST DOCTORAL STUDIES, UNIV OF LEEDS, U.K., 1990; SCIENTIST C, N.M.L. SINCE DECEMBER, 1990.

PRESENT ACTIVITIES : MECHANICAL PROPERTY EVALUATION OF CERAMIC MATERIAL.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, R & D MANAGEMENT - 4.

5924

SHRI L M ROY; (B. AUGUST 8, 1935),

TECHNICAL OFFICER (C), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : INTER ARTS - CALCUTTA '61.

SPECIALIZATIONS : BENEFICIATION AND AGGLOMERATION OF ORES.

EXPERIENCE : SUPERVISOR AND TRADESMAN-A, URANIUM PILOT PLANT, (B.A.R.C.), GHATSILA, 1958-63; ASSISTANT FOREMAN, FOREMAN, FOREMAN GR. B, TECHNICAL OFFICER (A) AND TECHNICAL OFFICER (B) N.M.L., 1963-90; TECHNICAL OFFICER (C), N.M.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : PILOT PLANT STUDIES FOR BENEFICIATION OF MINERALS AND AGGLOMERATION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, PILOT PLANT - 30, OPERATION - 25, MAINTENANCE - 5.

5925

SHRI ANIL KUMAR SAHA; (B. JUNE 1, 1941),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '60.

SPECIALIZATIONS : EXTRACTIVE METALLURGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1962-87; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, SANSKRIT, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 35, TECH. REPORTS - 25, PATENTS TAKEN - 6.

AWARDS & DISTINCTIONS : SIR GANGA RAM MEMORIAL GOLD MEDAL FOR RESEARCH ON MULTI-STAGE ADSORPTION OF NICKEL BY LIGNITE, 1981.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, PILOT PLANT - 4.

5926

SHRI PANCHANAN SAHA; (B. JANUARY 14, 1945),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.CHEM. ENGG. - JADAVPUR '68.

SPECIALIZATIONS : MAGNESIUM METAL PRODUCTION TECHNOLOGY; BENEFICIATION OF MINERALS.

EXPERIENCE : G.O.I. TRAINEE, BARAUNI OIL REFINERY, I.O.C. LTD., 1969-70; SHIFT FOREMAN, SHIFT-IN-CHARGE AND SCIENTIST B, N.M.L., 1971-88; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN MAGNESIUM METAL PRODUCTION TECHNOLOGY - SILICO-THERMAL PROCESS; BENEFICIATION OF FERROUS AND NONFERROUS MINERALS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20.

5927

SHRI DIPAYAN SANYAL; (B. DECEMBER 26, 1962),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.CHEM. CHEMICAL - JADAVPUR '84; M.TECH. CHEMICAL ENGG. - I.I.T., KANPUR '86.

SPECIALIZATIONS : COMPUTER SIMULATION AND OPTIMIZATION OF CHEMICAL PROCESSES AND FLOWSHEET; HEAT AND MASS TRANSFER; REACTION ENGINEERING; THERMODYNAMICS

EXPERIENCE : ASST. DEVELOPMENT ENGINEER, R & D, LARSEN & TOUBRO LTD., POWAI, BOMBAY, 1986-88; LECTURER, DEPT. OF CHEMICAL ENGG., JADAVPUR UNIVERSITY, 1988-89; SCIENTIST B, N.M.L., 1989-90; SCIENTIST C, N.M.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH; METALLURGICAL PROCESSING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 5, DESIGN - 3, PILOT PLANT - 3, TEACHING - 1; COMPUTER PROCESSING - 5.

5928

SHRI M L SARKAR; (B. OCTOBER 17, 1937),
ART OFFICER (C), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN PRINTING AND GRAPHIC ART (LPGA) - CALCUTTA '58; B.A. - CALCUTTA '71.

SPECIALIZATIONS : PRODUCTION OF PRINTING MATERIALS; TYPOGRAPHICAL DESIGN AND LAYOUT; PREPARATION OF DUMMY OF PUBLICATIONS.

EXPERIENCE : PRODUCTION SUPERVISOR, M/S NAVANA PRINTING WORKS (P) LTD., CALCUTTA, 1959-60; PRODUCTION MANAGER, M/S VICTOR PRESS, CALCUTTA, 1961; SUPERVISOR, M/S EASTERN PRINTING HOUSE, CALCUTTA, 1961-62; LITHOGRAPHER, ARTIST AND ART OFFICER (B), N.M.L., 1962-90; ART OFFICER (C), N.M.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : PRINTING AND PUBLICATION SUPERVISION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PRINTING & PUBLICATION - 30.

5929

SHRI B R SARKHEL; (B. JANUARY 1, 1944),
SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '63.

SPECIALIZATIONS : MAGNESIUM PRODUCTION TECHNOLOGY; MINERAL BENEFICIATION.

EXPERIENCE : SENIOR OPERATOR, RAMKALA STEEL PLANT, HINDUSTAN STEEL LTD., 1963-71; SCIENTIST A, SCIENTIST B AND SCIENTIST C, MAGNESIUM PROJECT, C.S.I.R., 1971-81; SCIENTIST C, N.M.L. SINCE APRIL, 1981.

PRESENT ACTIVITIES : LARGE SCALE BENEFICIATION OF FERROUS AND NONFERROUS MINERALS.

LANGUAGES : BENGALI, HINDI, ORIYA, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 20, PILOT PLANT - 3, OPERATION - 17.

5930

SHRI P R SASTRY; (B. JULY 15, 1943),
SCIENTIST CI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - ANDHRA '62; CERTIFICATE IN GERMAN '69; DIPLOMA IN MANAGEMENT - IGNOU.

SPECIALIZATIONS : FOUNDRY TECHNOLOGY; R & D MANAGEMENT; ORGANISATION OF TECHNICAL SEMINARS AND SYMPOSIA.

EXPERIENCE : S.L.A., J.S.A., S.T.A., SCIENTIST A AND SCIENTIST BI, N.M.L., 1964-88; SCIENTIST CI, N.M.L. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : R & D PLANNING AND PROJECT BUDGETING; MANPOWER PLANNING.

LANGUAGES : TELUGU, HINDI, GUJARATI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2, INVESTIGATION REPORTS - 18, TECHNICAL PAPER - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, Q.LTY. CONTROL - 5, PLANNING - 17.

5931

SHRI K G SENGUPTA; (B. JANUARY 8, 1939),
SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '59; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '69.

SPECIALIZATIONS : CHEMICAL ANALYSIS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1961-86; SCIENTIST C, N.M.L. SINCE MAY, 1986.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS.

LANGUAGES : BENGALI, HINDI, ENGLISH, FRENCH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, TESTING - 20.

5932

SHRI DEVI SHARAN SHARMA; (B. OCTOBER 25, 1942),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - RAJASTHAN '62.

SPECIALIZATIONS : CONVENTIONAL AND INSTRUMENTAL CHEMICAL ANALYSIS.

EXPERIENCE : CHEMIST, N.E.I. LTD., JAIPUR, 1963-68; S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1968-86; SCIENTIST C, N.M.L. SINCE JUNE, 1986.

PRESENT ACTIVITIES : METALLURGICAL CHEMICAL ANALYSIS.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 27, Q.LTY. CONTROL - 27.

5933

SHRI TRIPURARI LAL SHARMA; (B. NOVEMBER 1, 1938),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - CALCUTTA '61.

SPECIALIZATIONS : ANODIZING; ELECTRON DIFFRACTION AND CRYSTALLOGRAPHY; ELECTROLYTIC COLOURING; DIFFUSION COATINGS; ELECTROLESS COATINGS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1964-87; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN ELECTROPLATING, CORROSION AND METAL FINISHING.

LANGUAGES : HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 7, ARTICLES - 4, PROCESSES DEVELOPED - 5, PATENTS FILED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 23, APP. RES. - 23, TESTING - 2.

5934

SHRI S K SIL; (B. JULY 29, 1947),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC - CALCUTTA '67; A.M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS '79. M.SC. (ENGG) PROCESS METALLURGY - RANCHI '90.

SPECIALIZATIONS : MINERAL PROCESSING AND AGGLOMERATION.

EXPERIENCE : S.L.A., J.T.A., S.T.A. AND SCIENTIST B, N.M.L., 1970-90; SCIENTIST C, N.M.L. SINCE APRIL, 1990.

PRESENT ACTIVITIES : R & D IN MINERAL PROCESSING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : INVESTIGATION REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, PILOT PLANT - 3.

5935

SHRI JOGA SINGH; (B. APRIL 1, 1941),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. PHYSICS - RANCHI '62; A.M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS '76.

SPECIALIZATIONS : DRESSING OF MINERALS ; FERROUS METALLURGY.

EXPERIENCE : SCIENTIST C, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : PUNJABI, HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 35.

5936

SHRI MAHESH NANDAN SINGH; (B. FEBRUARY 5, 1945),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BIHAR '66; A.M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS '79; M.SC. (ENGG) METALLURGY - RANCHI '85.

SPECIALIZATIONS : METALLIC CORROSION AND ITS PREVENTION; ATMOSPHERIC CORROSION OF METALS AND ALLOYS; INHIBITION AND COATINGS.

EXPERIENCE : S.L.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1968-90; SCIENTIST C, N.M.L. SINCE NOVEMBER, 1990.

PRESENT ACTIVITIES : R & D IN CORROSION OF METALS & PROTECTION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 4, PROCESSES DEVELOPED - 2, PATENTS - 2, CONSULTANCY - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, TECH. DEV. - 3, TESTING - 2.

5937

SHRI ONKAR SINGH; (B. JANUARY 3, 1940),

SCIENTIST CI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - RANCHI '61; DIPLOMA IN METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE '70.

SPECIALIZATIONS : IRON SMELTING; FERROUS PRODUCTION TECHNOLOGY.

EXPERIENCE : S.L.A., FURNACE TECHNICIAN, J.T.A., S.T.A. AND SCIENTIST BI, N.M.L., 1962-91; SCIENTIST CI, N.M.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D IN FERROUS PRODUCTION TECHNOLOGY.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. INVESTIGATIONS - 37, PAPER ACKNOWLEDGEMENTS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11, OPERATION - 12, TESTING - 6.

5938

SHRI RATNAKAR SINGH; (B. FEBRUARY 15, 1961),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.SC. CHEMISTRY - BHAGALPUR '80; M.SC. PHYSICAL CHEMISTRY - BHAGALPUR '83; M.TECH. MINERAL BENEFICIATION - R.I.T. JAMSHEDPUR '86.

SPECIALIZATIONS : FLOTATION OF ORES AND MINERALS; SURFACE CHEMISTRY; MINERAL BENEFICIATION; FINE PARTICLE TECHNOLOGY; DEVELOPMENT OF REAGENTS FOR MINERAL PROCESSING.

EXPERIENCE : RESEARCH ENGINEER, I.I.T., KANPUR, 1986-87; PROCESS ENGINEER (PLANT INCHARGE), M.P.M.M.C. LTD., RAJNANDGAON 1987; MINERAL ENGINEER, T.R.D.C., PUNE, 1987-90; SCIENTIST B, N.M.L., 1990; SCIENTIST C, N.M.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : BASIC AND APPLIED RESEARCH IN MINERAL BENEFICIATION.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 5, PROCESSES DEVELOPED - 1.

AWARDS & DISTINCTIONS : PERFORMANCE AWARD, TCS, BOMBAY, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 4, APPLIED RESEARCH - 5.2, TESTING - 2.5, CONSULTANCY - 3.5, PILOT PLANT - .5, PRODUCTION - .5, ADMINISTRATION - .5.

5939

DR S D SINGH; (B. NOVEMBER 21, 1956),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

ST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH METALLURGY - RANCHI '80;
M.TECH. EXTRACTIVE METALLURGY - RANCHI '83;
PH.D. EXTRACTIVE METALLURGY - I.I.T., KHARAGPUR '86.

SPECIALIZATIONS : FERROUS PROCESS METALLURGY; LADLE METALLURGY; INJECTION METALLURGY; SECONDARY STEELMAKING; EXTRACTIVE METALLURGY.

EXPERIENCE : DY. MANAGER, U.M.I., RANCHI, 1986-88; SCIENTIST C, N.M.L. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 2, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES - 2, OPERATION - 1, APP RES - 2.

5940

SHRI SHYAM KISHORE SINGH; (B. OCTOBER 4, 1940),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - PATNA '61.

SPECIALIZATIONS : POWDER METALLURGY; ELECTROLESS PLATING.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1962-88; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN POWDER METALLURGY, FLUIDIZATION AND ELECTROLESS PLATING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 1, ARTICLES - 4, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28.

5941

DR SREE RAM SINGH; (B. JUNE 1, 1951),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5942

DR TEJ BAHADUR SINGH; (B. FEBRUARY 14, 1951),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - B.H.U. '72; M.SC. CHEMISTRY - B.H.U. '74; PH.D. CHEMISTRY - B.H.U. '81.

SPECIALIZATIONS : CORROSION AND ELECTROCHEMISTRY; ELECTROANALYTICAL CHEMISTRY.

EXPERIENCE : RESEARCH ASSOCIATE, B.H.U., 1982-85; ASSISTANT TEACHER, CENTRAL HINDU SCHOOL, B.H.U., 1990; SCIENTIST C, N.M.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : R & D IN CORROSION AND ELECTROCHEMISTRY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 6.

5943

SHRI R K SINHA; (B. NOVEMBER 8, 1940),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(ENGG) METALLURGY - RANCHI '64; M.SC. (ENGG.) METALLURGY - RANCHI '87.

SPECIALIZATIONS : ALLOY STEELS AND HIGH TEMPERATURE RESISTANT STEELS.

EXPERIENCE : J.R.F., S.S.A. AND SCIENTIST B, N.M.L., 1966-88; SCIENTIST C, N.M.L. SINCE MAY, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, PATENTS FILED - 1, PROCESSES DEVELOPED - 1, TECH. REPORTS - 14.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, TECHNOLOGY TRANSFER - 1.

5944

SHRI SAMARENDRA KUMAR SINHA; (B. JANUARY 6, 1942),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BIHAR '61; A.M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS '78; M.TECH. METALLURGY - RANCHI '83.

SPECIALIZATIONS : FOUNDRY TECHNOLOGY; METALLURGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1963-87; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN FOUNDRY TECHNOLOGY, MODELLING AND MATERIALS DEVELOPMENT.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, PATENTS TAKEN - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APP. RES. - 13, DESIGN - 1, CONSULTANCY - 12.

5945

SHRI V K SINHA; (B. OCTOBER 16, 1938),

TECHNICAL OFFICER (C), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.A. - AGRA '59.

SPECIALIZATIONS : ASSOCIATE MEMBER INDUSTRIAL TRAINING.

EXPERIENCE : W W A GRI, H.L.S., TECHNICAL OFFICER (A) AND TECHNICAL OFFICER (B), N.M.L., 1963-89; TECHNICAL OFFICER (C), N.M.L. SINCE JULY, 1989.

5946

DR J K SIRCAR; (B. MAY 30, 1957),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.SC. - ALLAHABAD '75; M.SC. CHEMISTRY - ALLAHABAD '77; D.PHIL CHEMISTRY - ALLAHABAD '80.

EXPERIENCE : POOL SCIENTIST, C.S.I.R., 1982-84; SCIENTIST B AND SCIENTIST C, R.R.L. JORHAT, 1984-91; SCIENTIST C, N.M.L. SINCE OCTOBER, 1991.

5947

DR S SRIKANTH; (B. JUNE 27, 1960),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.SC.(ENGG) METALLURGY - ROURKELA '82; M.E. METALLURGY - I.I.S.C., BANGALORE '84; PH.D. METALLURGY - I.I.S.C., BANGALORE '90.

SPECIALIZATIONS : COMPUTATIONAL THERMOCHEMISTRY; THERMODYNAMIC MODELLING; METALLURGICAL PROCESSES; HIGH TEMPERATURE EXPERIMENTAL THERMODYNAMICS; PHASE THEORY OF MULTICOMPONANT SOLUTIONS.

EXPERIENCE : PROJECT ASSISTANT, DEPT. OF METALLURGY, I.I.S.C., BANGALORE, 1989-90; SCIENTIST C, N.M.L. SINCE SEPTEMBER, 1990.

PRESENT ACTIVITIES : APPLIED & BASIC RESEARCH IN THERMODYNAMICS AND EXTRACTIVE METALLURGY.

LANGUAGES : TAMIL, HINDI, KANNADA, TELUGU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 18.

AWARDS & DISTINCTIONS : YOUNG METALLURGIST AWARD, MINISTRY OF STEEL & MINES GOVT OF INDIA, 1990; PROF K P ABRAHAM GOLD MEDAL, METALLURGICAL SOCIETY, I I SC, BANGALORE, 1984; PROF A A KRISHNAN GOLD MEDAL, METALLURGICAL SOCIETY, I I SC, BANGALORE, 1984.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP RES - 1.

5948

SHRI V SRINIVASAN; (B. MARCH 27, 1935),

SCIENTIST CI, NML UNIT, MADRAS (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - JAMSHEDPUR TECHNICAL INSTITUTE '65; DIPLOMA IN INDUSTRIAL ENGINEERING '71.

SPECIALIZATIONS : DESIGN AND FABRICATION OF SCIENTIFIC AND TESTING EQUIPMENT.

EXPERIENCE : DRAFTSMAN, T.I.S.CO., JAMSHEDPUR, 1955; FOREMAN AND JUNIOR ENGINEER, KAISER ENGINEERS, 1956-58; SENIOR DRAFTSMAN, S.S.A. AND SCIENTIST BI, N.M.L., 1959-88; SCIENTIST CI, N.M.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : DESIGN AND FABRICATION OF SCIENTIFIC AND TESTING EQUIPMENT.

LANGUAGES : TAMIL, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : ARTICLES - 1, PATENTS FILES - 1, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILIZATION - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 20, PILOT PLANT - 10, CONSTRUCTION - 10, MAINTENANCE - 15, TECHNICAL DEVELOPMENT - 15, OPERATION - 5.

5949

SHRI SUBBA RAO SRIPADA; (B. JULY 18, 1958),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR. Q

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - ANDHRA '81; M.SC. (ENGG) CHEMICAL ENGINEERING - I.I.S.C., BANGALORE '84; PH.D. CHEMICAL ENGINEERING - UNIVERSITY OF NEWCASTLE, AUSTRALIA '92.

EXPERIENCE : SCIENTIST, N.C.B.M., NEW DELHI, 1984-85; SCIENTIST C, N.M.L. SINCE AUGUST, 1991.

5950

DR SOUMITRA TARAFDAR; (B. OCTOBER 18, 1961),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5951

SHRI J P TEWARI; (B. MAY 26, 1938),

SCIENTIST C, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BIHAR '58; A.M.I.I.M. - INDIAN INSTITUTE OF METALS, CALCUTTA '69; M.E. METALLURGY - ROORKEE '75.

SPECIALIZATIONS : ALLOY STEELS; POWDER METALLURGY.

EXPERIENCE : SHIFT-IN-CHARGE, M/S INDIAN TUBE CO., JAMSHEDPUR, 1959-63; S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1963-86; SCIENTIST C, NML SINCE JANUARY, 1986.

PRESENT ACTIVITIES : R & D IN POWDER METALLURGY.

LANGUAGES : HINDI, ENGLISH.

VISITED : CANADA, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, PRODUCTION - 4.

5952

SHRI K S VIJAYANARAYANAN; (B. OCTOBER 24, 1940),

SCIENTIST C, NML UNIT, MADRAS (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : B.SC. - KERALA '59; POST DIPLOMA IN METALLURGICAL ENGINEERING - MADRAS '73.

SPECIALIZATIONS : FOUNDRY TECHNOLOGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1960-87; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH AND TESTING.

LANGUAGES : MALAYALAM, HINDI, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 37.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, TESTING - 28.

5953

SHRI K VIJAYARAGHAVAN; (B. MARCH 1, 1941),
SCIENTIST C, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. - KERALA '61.

SPECIALIZATIONS : BENEFICIATION AND AGGLOMERATION OF ORES AND MINERALS.

EXPERIENCE : CHEMIST, M/S ALUMINIUM CORPORATION OF INDIA, 1962-64; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.M.L., 1964-82; SCIENTIST C, N.M.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : MINERAL DRESSING.

LANGUAGES : MALAYALAM, TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 62.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., PILOT PLANT, CONSULTANCY AND TESTING - (TOTAL: 23 YEARS).

5954

SHRI PRITAM SINGH VIRDHI; (B. OCTOBER 14, 1940),

SCIENTIST CI, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. - RANCHI '61; DIPLOMA IN METALLURGY - JAMSHEDPUR TECHNICAL INSTITUTE '68; M.I.I.F. - MEMBER, INSTITUTE OF INDIAN FOUNDRYMEN

SPECIALIZATIONS : FOUNDRY MELTING TECHNOLOGY AND IRON PRODUCTION.

EXPERIENCE : S.L.A., FURNACE TECHNICIAN, J.T.A., S.T.A., SCIENTIST A AND SCIENTIST BI, N.M.L., 1962-91; SCIENTIST CI, N.M.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D IN FOUNDRY AND IRON PRODUCTION.

LANGUAGES : PUNJABI, URDU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 16, PATENTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21, PILOT PLANT - 8, TESTING - 2.

5955

SHRI SHAIK ALI AKBAR; (B. AUGUST 15, 1961),
SCIENTIST B, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.E. ELECTRONICS & COMMUNICATION - BANGALORE '85.

SPECIALIZATIONS : ELECTRONIC COMMUNICATION.

EXPERIENCE : ELECTRONIC ENGINEER, DEPARTMENT OF PHYSICS, S & T COLLEGE, ANDHRA UNIVERSITY, 1985-88; SCIENTIST B, N.M.L. SINCE MARCH, 1988.

PRESENT ACTIVITIES : MAINTENANCE, DESIGN AND DEVELOPMENT IN ELECTRONICS HARDWARE; MICROPROCESSOR BASED DATA ACQUISITION SYSTEMS.

LANGUAGES : TELUGU, HINDI, KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 4, TESTING - 4, MAINTENANCE - 5, OPERATION - 3, TECHNICAL DEV. - 3, COMPUTER PROCESSING - 1.

5956

SHRI P BALAKRISHNA; (B. AUGUST 15, 1939),
SCIENTIST B, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR. Q

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - J.S.R. INSTITUTE '71.

SPECIALIZATIONS : LAYOUT AND DETAILING OF MECHANICAL STRUCTURES AND PIPE LINES.

EXPERIENCE : MARKER, I.S.W.P., J.S.R., 1959-63; INSPECTOR, TELCO. JSR, 1963-64; JUNIOR D'MAN, SENIOR D'MAN, GR. III (2), GR. III (3) AND GR. III (4), NML, 1959-88; SCIENTIST B, N.M.L. SINCE APRIL, 1988.

5957

SHRI G BASU; (B. JANUARY 19, 1939),

SCIENTIST B, NML FIELD STATION, HOWRAH (NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR).

QUALIFICATIONS : B.SC. - CALCUTTA '59; CERTIFICATE IN FOUNDRY TECHNOLOGY - JADAVPUR '85.

SPECIALIZATIONS : RECOVERY AND UTILISATION OF ZINC WASTES; RECOVERY OF NONFERROUS METALS; MECHANICAL TESTINGS AND METALLOGRAPHY OF METALS AND ALLOYS.

EXPERIENCE : S.L.A., J.T.A./J.S.A., S.S.A. AND SCIENTIST A, N.M.L., 1962-87; SCIENTIST B, N.M.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN CHEMICAL AND ELECTROMETALLURGY; MECHANICAL TESTING; METALLOGRAPHY OF METALS AND ALLOYS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 6, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 19, TESTING - 10, Q.LTY. CONTROL - 5, CONSULTANCY - 3.

5958

SHRI S T BASU; (B. NOVEMBER 27, 1938),

TECHNICAL OFFICER (B), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN DRAUGHTMANSHIP, STATE COUNCIL OF TECH EDUCATION, WEST BENGAL '58.

SPECIALIZATIONS : CIVIL AND MECHANICAL DRAWINGS.

EXPERIENCE : DRAUGHTSMAN, MD. HASSAW, JAMSHEDPUR, 1958-59; CIVIL DRAUGHTSMAN, M/S HOCHTIEF GAMMON, 1959-62; DRAFTSMAN II & I, HINDUSTAN STEEL LTD., 1962-65; SENIOR DRAUGHTSMAN, S.T.A. AND TECHNICAL OFFICER (A), N.M.L., 1965-91; TECHNICAL OFFICER (B), N.M.L. SINCE JANUARY, 1991.

5959

SHRI B C BHAKAT; (B. NOVEMBER 29, 1942),
PHOTOGRAPHIC OFFICER (B), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : BACHELOR OF VISUAL ART COMMERCIAL ART - CALCUTTA '67; PHOTOGRAPHY - FIAP, BELGIUM '86.

SPECIALIZATIONS : COMMERCIAL ART; STILL PHOTOGRAPHY(B/W & COLOUR); FINE ART; MACROPHOTOGRAPHY(B/W & COLOUR).

EXPERIENCE : COMMERCIAL ARTIST, DEVART, CALCUTTA, 1967-68; COMMERCIAL ARTIST, SAKAI, CALCUTTA, 1968-69; STUDIO OWNER, VENUS PHOTOGRAPHIC, 1969-89; PHOTOGRAPHIC OFFICER (A), N.M.L., 1989; PHOTOGRAPHIC OFFICER (B) N.M.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : PHOTOGRAPHY, COMMERCIAL DESIGN AND VIDEO FILMING.

LANGUAGES : BENGALI, HINDI, ENGLISH,

AWARDS & DISTINCTIONS : NATIONAL AWARD, MINISTRY OF I&B AND UNICEF(NEW DELHI), 1985-86; CERTIFICATE OF RECOGNITION, WORLD HEALTH ORGANIZATION(GENEVA), 1988; TOPTEN & FOUR STAR AWARD, FEDERATION OF INDIAN PHOTOGRAPHY, BANGALORE, 1989.

5960

SHRI D K BHATTACHARYA; (B. MAY 9, 1937),
SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5961

MISS SWATI BHATTACHARYYA; (B. SEPTEMBER 30, 1956),

LIBRARY OFFICER (B), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '75; B.LIB.SC. - JADAVPUR '78; A.D.I.SC. DOCUMENTATION & INFORMATION SCIENCE - I.S.I. '81.

SPECIALIZATIONS : DOCUMENTATION AND INFORMATION SCIENCE.

EXPERIENCE : LIBRARY ASSISTANT, BRITISH COUNCIL LIBRARY, CALCUTTA, 1978-79; JUNIOR INFORMATION SUPERVISOR, SAIL, RANCHI, 1982-86; DOCUMENTATION OFFICER, NATIONAL INSTITUTE OF ENTREPRENEURSHIP, NEW DELHI, 1986-88; LIBRARY OFFICER (B), N.M.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : MANAGEMENT OF LIBRARY AND DOCUMENTATION SERVICES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 4, ARTICLES - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION - 9, COMPUTER PROCESSING - 9.

5962

SHRI ANJAN CHAKRABORTY; (B. MAY 4, 1962),
SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : M.E. MECHANICAL (HEAT POWER) - JADAVPUR '87; B.E. MECHANICAL ENGINEERING - JADAVPUR '89.

SPECIALIZATIONS : SYSTEM ANALYSIS; MATHEMATICAL MODELLING; FLUID MECHANICS; HEAT TRANSFER.

EXPERIENCE : MANAGEMENT TRAINEE, HINDUSTAN MOTORS HOOGHLY; W.BENGAL, 1984-85; ASSTT. ENGINEER, M.M.C. LTD., CALCUTTA, 1985-86; ENGINEER, FLDTERM CONSULTANTS, CALCUTTA, 1987-89; SCIENTIST B, DEFENCE LAB, JODHPUR, 1989-90; SCIENTIST B, N.M.L. SINCE JULY, 1990.

PRESENT ACTIVITIES : MATHEMATICAL MODELLING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, PRODUCTION - 2.

5963

SHIR B B CHAKRABORTY; (B. MAY 27, 1947),
SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - STATE COUNCIL OF TECHNICAL EDUCATION, W.BENGAL '67.

SPECIALIZATIONS : ERECTION AND COMMISSIONING OF PROCESS PLANST & MACHINERIES.

EXPERIENCE : IN-PLANT TRAINEE, TISCO, JAMSHEDPUR, 1967-68; ERECTION ENGINEER, POWER PLANT ENGINEERING, CALCUTTA, 1968-71; SHIFT FORMAN, SR. FOREMAN AND MECHANICAL ENGINEER, N.M.L., 1972-88; MECHANICAL ENGINEER (B), N.M.L. SINCE APRIL, 1988; (ALSO ON DEPUTATION TO A.P. INDUSTRIAL DEVELOPMENT CORPORATION, 1988-89).

5964

SHRI R N CHAKRABORTY; (B. AUGUST 1, 1936),
SCIENTIST BI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN WELDING - ITI, CALCUTTA '56.

SPECIALIZATIONS : X-RAY AND HIGH PRESSURE WELDING; FABRICATION OF PILOT PLANT APPARATUS.

EXPERIENCE : FINE MECHANIC, ASSISTANT FOREMAN, FOREMAN, J.T.A., S.T.A. AND SCIENTIST AI, N.M.L., 1958-83; SCIENTIST BI, N.M.L. SINCE FEBRUARY, 1983.

PRESENT ACTIVITIES : WELDING AND FABRICATION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 15, HIGH PRESSURE WELDING - 14, X-RAY WELDING - 2, APPARATUS FABRICATION - 12, CONSTRUCTION - 2, DESIGN - 12.

5965

DR(MS) KAKALI CHATTERJEE; (B. JUNE 11, 1957),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - JADAVPUR '77; M.SC. PHYSICS - JADAVPUR '80; PH.D. PHYSICS - JADAVPUR '86; DIPLOMA IN FORTRAN PROGRAMMING - REGIONAL COMPUTER CENTRE, JADAVPUR '81.

SPECIALIZATIONS : MOLECULAR INTERACTIONS; SCIENCE EDITING AND WRITING; COMPUTER PROCESSING; DESK TOP PUBLISHING; COMPUTER GRAPHICS.

EXPERIENCE : ASSISTANT TEACHER, KASBA BALIKA VIDYALAYA, CALCUTTA, 1981; J.R.F., S.R.F. AND RESEARCH ASSOCIATE, IACS, JADAVPUR, 1981-89; SCIENTIST B, N.M.L. SINCE MARCH, 1989.

PRESENT ACTIVITIES : SCIENCE EDITING AND WRITING; COMPUTER AIDED DESK TOP PUBLISHING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 2, ARTICLES - 3, REPORTS PRESENTED IN SEMINARS AND SYMPOSIA - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, TEACHING - 10, TECHNO-ECONOMIC SURVEYS & SALES MARKETING - 3, SCIENCE EDITING - 8, DOCUMENTATION - 2, REPROGRAPHY - 4, COMPUTER PROCESSING - 4, DESK TOP PUBLISHING - 2.

5966

SHRI N N CHATTERJEE; (B. NOVEMBER 18, 1940),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '60.

SPECIALIZATIONS : CHEMICAL AND INSTRUMENTAL ANALYSIS; OPERATION OF LOW-SHAFT FURNACE & STEEL MAKING FURNACES.

EXPERIENCE : CHEMIST & QUALITY CONTROL ASSTT., M/S BHARAT F.P. WORKS PVT. LTD., 1961; S.L.A., J.T.A., S.T.A. AND SCIENTIST A, N.M.L., 1963-88; SCIENTIST B, N.M.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : DEVELOPMENT OF NEW ANALYTICAL TECHNIQUES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 3, PILOT PLANT - 13, TESTING - 13, QUALITY CONTROL - 1.

5967

SHRI P K DE; (B. JANUARY 11, 1948),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '66; DIPLOMA IN MECHANICAL ENGINEERING - WEST BENGAL '69;

A.M.I.I.A.M. METALLURGICAL ENGG.-I.I.M. CALCUTTA '84; M.SC. (ENGG) PROCESS METALLURGY - RANCHI '90

SPECIALIZATIONS : METAL SHAPING BY ROLLING, FORGING AND EXTRUSION TECHNIQUES; HEAT TREATMENT OF METALS AND ALLOYS; MECHANICAL METALLURGY AND TESTING.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.M.L., 1974-91; SCIENTIST B, N.M.L. SINCE JULY, 1991.

5968

SHRI ARUN KUMAR DEY; (B. JULY 23, 1942),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - RANCHI '63.

SPECIALIZATIONS : CORROSION OF METALS & ALLOYS AND ITS PREVENTION.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.M.L., 1965-88; SCIENTIST B, N.M.L. SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : R & D ON METALLIC CORROSION AND ITS PREVENTION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 4, PATENTS FILED - 4, PROCESSES DEVELOPED - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 18, TESTING - 10.

5969

SHRI DEBABRATA DUTTA; (B. MARCH 15, 1961),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5970

SHRI ASHUTOSH GAUR; (B. APRIL 8, 1959),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH. METALLURGY - B.H.U. - '83.

SPECIALIZATIONS : VACUUM METALLURGY; SUPER ALLOY PROCESSING; MELTING TECHNOLOGY; MARKETING AND TECHNOLOGY UTILISATION.

EXPERIENCE : ENGINEER, MIDHANI, (MIN. OF DEFENCE) HYDERABD, 1978-88; LECTURER, M.N.R.E.C., ALLAHABAD, 1989; SCIENTIST B, N.M.L. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : TECHNOLOGY UTILISATION, TECHNOLOGY TRANSFER AND MARKETING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 1, PRODUCTION - 4, TEACHING - .5, TECHNOLOGY TRANSFER - 1, SALES MARKETING - 1.

5971

DR PHULCHAND GHOSH; (B. JUNE 20, 1953),
SCIENTIST B, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - BURDWAN '74; M.SC. (HONS.) PHYSICAL CHEMISTRY - PATRICE LUMUMBA FRIENDSHIP UNIVERSITY, U.S.S.R. '80; PH.D. CORROSION SCIENCE & ELECTROCHEMISTRY - D.I. MENDELEEV INST. OF CHEMICAL TECH., U.S.S.R. '84.

SPECIALIZATIONS : INHIBITORS AND WATER TREATMENT FOR BOILERS; ELECTROCHEMISTRY; CORROSION SCIENCE AND ENGINEERING; PHYSICAL CHEMISTRY.

EXPERIENCE : POOL OFFICER (CSIR), C.E.C.R.I., KARAIKUDI, 1984-85; POOL OFFICER (CSIR), NML, 1985-87; SCIENTIST B, N.M.L. SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : DEVELOPMENT OF INSTRUMENTAL AND ELECTROCHEMICAL TECHNIQUES FOR CORROSION PROTECTION.

LANGUAGES : BENGALI, HINDI, ENGLISH, RUSSIAN, SWEDISH.

VISITED : U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 2, ARTICLES - 1, REVIEW PAPERS - 1, TRANSFER OF TECHNOLOGY - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 8, TEACHING - 4.

5972

MRS CHINIMA GUHA; (B. JANUARY 21, 1944),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. CHEMISTRY - RANCHI '62; M.SC. ZOOLOGY - RANCHI '65.

SPECIALIZATIONS : ANALYSIS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.M.L., 1980-89; SCIENTIST B, N.M.L. SINCE FEBRUARY, 1989.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TOTAL - 26.

5973

SHRI KANHAI LAL HANSDA; (B. AUGUST 4, 1963),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. METALLURGY - BURDWAN '87.

EXPERIENCE : MANAGEMENT TRAINEE AND JUNIOR MANAGER, S.A.I.L/BHILAI STEEL PLANT, BHILAI, 1988-90; JUNIOR MANAGER, RAURKELA STEEL PLANT, 1990-91; SCIENTIST B, N.M.L., SINCE MARCH, 1991.

PRESENT ACTIVITIES : LIASION AND TECHNOLOGY TRANSFER.

LANGUAGES : SANTHALI, HINDI, ORIYA, BENGALI, ENGLISH.

5974

MRS VIJAYA KHER; (B. APRIL 20, 1939),

LIBRARY OFFICER (B), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : M.A. MARATHI - VIKRAM '65; B.LIB. SC. - JIWAJI '68.

SPECIALIZATIONS : LIBRARY SCIENCE; DOCUMENTATION.

EXPERIENCE : ASSISTANT LIBRARIAN AND TEACHING ASSISTANT, REGIONAL COLLEGE OF EDUCATION, BHOPAL, 1966-72; SENIOR LIBRARIAN, SENIOR LIBRARY ASSISTANT AND LIBRARY OFFICER (A), N.M.L., 1972-89; LIBRARY OFFICER (B), N.M.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : LIBRARY SCIENCE AND DOCUMENTATION.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION - 9, LIBRARY SERVICE - 25.

5975

SHRI ARUN KUMAR; (B. DECEMBER 3, 1940),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY,
JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BIHAR '62; P.G. DIPLOMA IN MARKETING MANAGEMENT - INSTITUTE OF MARKETING MANAGEMENT, NEW DELHI '83.

SPECIALIZATIONS : TECHNO-ECONOMIC AND VIABILITY OF PROJECTS; TECHNOLOGY TRANSFER DRAFTING OF PATENT SPECIFICATIONS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., AND SCIENTIST A, N.M.L., 1964-88; SCIENTIST B, N.M.L. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : MARKETING OF TECHNOLOGY, INDUSTRIAL LIAISON, PATENT AND RELATED MATTER.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, PILOT PLANT - 9, MARKETING OF TECHNOLOGY - 10, TECHNO-ECONOMICS OF PROJECTS - 7.

5976

SHIR BABU LAL; (B. JULY 1, 1942),

TECHNICAL OFFICER (B), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN DRAUGHTSMANSHIP MECHANICAL - I.T.I., AGRA '60.

SPECIALIZATIONS : MECHANICAL DRAWINGS.

EXPERIENCE : JUNIOR DRAUGHTSMAN, SENIOR DRAUGHTSMAN, S.T.A. AND TECHNICAL OFFICER (A), N.M.L., 1960-90; TECHNICAL OFFICER (B), N.M.L. SINCE JANUARY, 1990.

5977

SHRI A K SINHA MAHAPATRA; (B. AUGUST 23, 1940),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '61; A.M.I.E. METALLURGY - INSTITUTION OF ENGINEERS (INDIA) '82; M.SC. PROCESS METALLURGY - RANCHI '90.

SPECIALIZATIONS : EXTRACTIVE METALLURGY; FERROUS PROCESS METALLURGY; KINETICS AND PHYSICO-CHEMICAL EVALUATION OF RAW MATERIALS; THERMODYNAMICS.

EXPERIENCE : ASST. TEACHER, R.K.MISSION, 1961-64; S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.M.L., 1964-87; SCIENTIST B, N.M.L. SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 60, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 2.

5978

SHRI LAL MAHARAJ; (B. JULY 1, 1949),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BIHAR '69; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '82.

SPECIALIZATIONS : INSTRUMENTAL CHEMICAL ANALYSIS; ANALYSIS OF ORES, MINERALS AND SILICATES.

EXPERIENCE : GRADUATE TRAINING, S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.M.L., 1972-90; SCIENTIST B, N.M.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH; INSTRUMENTAL ANALYSIS.

LANGUAGES : HINDI, MAITHILI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TESTING - 10, QUALITY CONTROL - 5.

5979

SHRI RAJESH KANYUT MINJ; (B. SEPTEMBER 22, 1959),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.TECH METALLURGY, I.I.T., KANPUR '85; M.SC. ENGINEERING METALLURGY - RANCHI '93.

EXPERIENCE : ASST. DESIGN ENGR., MECON, 1985-86; GRADUATE ENGINEER, DURGAPUR STEEL PLANT D.S.P., DURGAPUR, 1986-87; JUNIOR MANAGER, B.S.L., BOKARO, N.M.L. SINCE OCTOBER, 1989.

5980

SHRI MADHUSUDAN MONDAL; (B. OCTOBER 9, 1953),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - RANCHI '81; M.O.T. MARINE - D.G. SHIPPING, CALCUTTA '84.

EXPERIENCE : G.A., M.A.M.C., DURGAPUR, 1982-83; FOURTH ENGINEER, S.C.I. LTD., 1983-89; SCIENTIST B, N.M.L. SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES : PROTOTYPE DEVELOPMENT; DESIGN ENGINEERING; MAINTENANCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : SOUTH KOREA, JAPAN, AUSTRALIA, SINGAPUR, RUSSIA, U.A.E., EAST AFRICA.

PUBLICATIONS & PATENTS : PATENTS FILED - 1.

5981

SHRI J P MUKHERJEE; (B. DECEMBER 13, 1941),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5982

SHRI S G N MURTHY; (B. FEBRUARY 22, 1964),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. PHYSICS - MADURAI '84; M.SC. (PHYSICS) ELECTRONICS - RANCHI '87.

SPECIALIZATIONS : COMPUTER BASED INSTRUMENTATION; NON-DESTRUCTIVE TESTING.

EXPERIENCE : SERVICE ENGINEER, K.L.B. SERVICES, DELHI, 1987-88; J.R.F., S.E.R.C., MADRAS, 1988-90; SCIENTIST (PROD DEV), N.U.N.A.G. ELECTRONICS LTD., 1990; SCIENTIST B, N.M.L. SINCE JULY, 1990.

5983

SHRI MANI KANT PASWAN; (B. JULY 10, 1964),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - PATNA '88.

SPECIALIZATIONS : AUTOMOBILE ENGINEERING; INDUSTRIAL ENGINEERING; MACHINE DESIGN.

EXPERIENCE : GRADUATE TRAINEE, INDIAN CABLE CO. JAMSHEDPUR, 1988. JUNIOR MANAGER, DURGAPUR STEEL PLANT, DURGAPUR, 1988-89; SCIENTIST B, N.M.L. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : MAINTENANCE OF MECHANICAL EQUIPMENT, PIPE LINES, GARRAGE, ETC.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 3.

5984**SHRI A R PAUL; (B. JULY 6, 1938),**

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '59; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '75.**SPECIALIZATIONS** : CONVENTIONAL AND INSTRUMENTAL CHEMICAL ANALYSIS.**EXPERIENCE** : S.L.A., J.T.A., S.T.A. AND SCIENTIST A, N.M.L., 1965-88; SCIENTIST B, N.M.L. SINCE APRIL, 1988.**PRESENT ACTIVITIES** : CHEMICAL ANALYSIS.**LANGUAGES** : BENGALI, HINDI, SANSKRIT, ENGLISH.**5985****SHRI SACHCHIDANAND PRASAD; (B. JANUARY 2, 1942),**

SCIENTIST BI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - RANCHI '62.**SPECIALIZATIONS** : MINERAL PROCESSING AND AGGLOMERATION.**EXPERIENCE** : S.L.A., J.S.A., S.T.A. AND SCIENTIST A, N.M.L., 1965-87; SCIENTIST BI, N.M.L. SINCE MARCH, 1987.**PRESENT ACTIVITIES** : MINERAL BENEFICIATION.**LANGUAGES** : HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : TECH. REPORTS - 37.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 19, PILOT PLANT - 6.**5986****DR RAMESH KUMAR RAM; (B. DECEMBER 29, 1964),**

MEDICAL OFFICER (B), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5987**SHRI A S RAO; (B. NOVEMBER 18, 1944),**

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - RANCHI '64; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '71.**SPECIALIZATIONS** : MODERN INSTRUMENTAL ANALYSIS; COMPUTATIONAL METHODS IN ANALYSIS; CHEMICAL ANALYSIS OF METALLURGICAL PRODUCTS, ORES AND SILICATES.**EXPERIENCE** : GRADUATE TRAINEE, S.L.A., J.T.A., S.S.A. AND SCIENTIST A, N.M.L., 1965-88; SCIENTIST B, N.M.L. SINCE APRIL, 1988.**PRESENT ACTIVITIES** : APPLIED RESEARCH IN ANALYTICAL CHEMISTRY.**LANGUAGES** : TELUGU, HINDI, BENGALI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 4, TECH. REPORTS - 8.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 10, PILOT PLANT - 2, TESTING - 10, QUALITY CONTROL - 4.**5988****SHRI A SARKAR; (B. JUNE 10, 1942),**

TECHNICAL OFFICER (B), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN MECH. ENGINEERING - DIRECTORATE OF TECHNICAL EDUCATION, ANDHRA '61; DIPLOMA IN FINE ART - JAMSHEDPUR '78.**SPECIALIZATIONS** : MECHANICAL DRAFTING, DRAWING AND ART WORK.**EXPERIENCE** : JUNIOR DRAUGHTSMAN, SENIOR DRAFTSMAN, S.T.A. AND TECHNICAL OFFICER (AI), N.M.L., 1964-90; TECHNICAL OFFICER (BI), N.M.L. SINCE JANUARY, 1991.**5989****SHRI DILIP KUMAR SARKAR; (B. JANUARY 7, 1942),**

TECHNICAL OFFICER (B), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : I.SC.; HIGHER APPRENTICESHIP FROM INDIAN RAILWAY SCHOOL OF SIGNAL & TELECOMMUNICATION.**SPECIALIZATIONS** : TELECOMMUNICATION SYSTEMS.**EXPERIENCE** : T.C.M., NEFA RAILWAY SIGNAL & TELECOMMUNICATION DEPARTMENT, 1960-65; TECHNICAL GRADE I, THERMAL POWER STATION, WB STATE ELECTRICITY BOARD, 1965-68; ENGINEERING SUPERVISOR, IDC OF ORISSA, GOVT. OF ORISSA, 1968-77; SENIOR FOREMAN, N.M.L., 1977-87; TECHNICAL OFFICER (B), N.M.L. SINCE JUNE, 1987.**PRESENT ACTIVITIES** : MAINTENANCE OF TELECOMMUNICATION SYSTEMS.**LANGUAGES** : BENGALI, ASSAMESE, NEPALI, ORIYA, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : MAINTENANCE - 30.**5990****SHRI N V SATYANARAYANA; (B. OCTOBER 24, 1961),**

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - OSMANIA '82; M.SC. (TECH.) INSTRUMENTATION - SRI VENKATESHWARA '86; HIGH LEVEL DIPLOMA IN SCIENCE & TECHNOLOGY - BIRLA INSTITUTE OF TECH., PILANI '90.**SPECIALIZATIONS** : MICROPROCESSOR BASED INSTRUMENTATION; COMPUTERISED DBMS; COMPUTER NETWORKS AND INTERFACES; SYSTEM SOFTWARE.**EXPERIENCE** : TRAINEE, ELECTRONIC CORPORATION OF INDIA LTD., HYDERABAD, 1985; LECTURER, S.S.C.M. COLLEGE OF ENGINEERING, SHEGAON, 1986-89; SCIENTIST B, N.M.L. SINCE FEBRUARY, 1989.**PRESENT ACTIVITIES** : DESIGN AND TECHNICAL DEVELOPMENT.

LANGUAGES : TELUGU, HINDI, MARATHI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 1, DESIGN - 3, TEACHING - 2.5, CONSULTANCY - 1, MAINTENANCE - 2, COMPUTER PROCESSING - 2

5991

SHRI SANTOSH KUMAR SEN; (B. JANUARY 1, 1943),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - UTKAL '63; A.I.C. ANALYTICAL CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '72.

SPECIALIZATIONS : METALLURGICAL ANALYSIS.

EXPERIENCE : S.L.A., J.T.A., S.T.A. AND TECHNICAL OFFICER (A) N.M.L., 1965-87; TECHNICAL OFFICER (B), N.M.L. SINCE APRIL, 1987.

PRESENT ACTIVITIES : TESTING AND QUALITY CONTROL.

LANGUAGES : BENGALI, HINDI, ORIYA, ENGLISH, GERMAN.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING AND QUALITY CONTROL - 22.

5992

SHRI S K SENGUPTA; (B. APRIL 13, 1940),

SCIENTIST BI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '62.

SPECIALIZATIONS : BENEFICIATION OF COMPLEX SULPHIDE ORES.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.M.L., 1964-87; SCIENTIST BI, N.M.L. SINCE MARCH, 1987.

PRESENT ACTIVITIES : BENEFICIATION AND AGGLOMERATION OF ORES AND MINERALS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 40.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, PILOT PLANT - 14, TESTING - 10.

5993

SHRI S P TANDON; (B. JANUARY 25, 1940),

TECHNICAL OFFICER (B), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : MATRICULATE - PUNJAB '56.

SPECIALIZATIONS : FIRE FIGHTING.

EXPERIENCE : L.D.C., U.D.C., W & WA GRI, H.L.S. AND TECHNICAL OFFICER (A), N.M.L., 1957-82; TECHNICAL OFFICER (B), N.M.L. SINCE JUNE, 1982.

PRESENT ACTIVITIES : SAFETY AND GARDEN MAINTENANCE.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

5994

MRS MITA TRAFDAR; (B. AUGUST 21, 1963),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5995

DR P V VERGHESE; (B. MARCH 28, 1940),

SCIENTIST B, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5996

SHRI B BASAK; (B. MARCH 5, 1939),

SCIENTIST A, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5997

SHRI R N BHATTACHARYA; (B. AUGUST 10, 1942),

SCIENTIST A, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5998

SHRI S K BISWAS; (B. JULY 6, 1937),

SCIENTIST AI, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

5999

DR BALAI CHAKI; (B. APRIL 1, 1990),

SCIENTIST A, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - CALCUTTA '63; M.SC. MATHEMATICS - CALCUTTA '72; PH.D.(SC) MATHEMATICS - CALCUTTA '92; LL.B. LAW - CALCUTTA '84.

SPECIALIZATIONS : MATHEMATICAL PHYSICS.

EXPERIENCE : S.L.A., N.M.L., 1982-90; SCIENTIST A, N.M.L. SINCE MARCH, 1990.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, SCIENTIFIC BOOKS - 2.

6000

SHRI U S CHATTORAJ; (B. AUGUST 27, 1947),

SCIENTIST A, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - RANCHI '68.

SPECIALIZATIONS : BENEFICIATION AND AGGLOMERATION OF ORES AND MINERALS.

EXPERIENCE : GRADUATE TRAINEE, S.L.A., GR.III (1), GR.III (2), GR.III (3), N.M.L., 1971-91; SCIENTIST A, N.M.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 30.

6001

SHRI T V K DAS; (B. MARCH 20, 1947),

TECHNICAL OFFICER (A), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

6002

SHRI U S DAS; (B. SEPTMBER 28, 1941),

TECHNICAL OFFICER (A), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

6003

SHRI H C DEB; (B. JANUARY 21, 1937),

TECHNICAL OFFICER (A), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

6004

SHRI R GOPALKRISHNAN; (B. JULY 8, 1952),

TECHNICAL OFFICER (A), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

6005

SHRI B K MITRA; (B. DECEMBER 21, 1948),

SCIENTIST A, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

6006

SHRI A NAG; (B. JUNE 28, 1942),

SCIENTIST A, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - NORTH BENGAL '63.

SPECIALIZATIONS : POWDER METALLURGY.

EXPERIENCE : S.L.A., GR.III(1), GR.III(2), GR.III(3), N.M.L., 1964-91; SCIENTIST A, N.M.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : IRON POWDER PRODUCTION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, PATENTS FILED CURRENTLY - 1, PROCESSES DEVELOPED - 1.

6007

SHRI M R PRAMANIK; (B. SEPTEMBER 15, 1941),
SCIENTIST A, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '63; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '71.

SPECIALIZATIONS : CHEMICAL ANALYSIS OF FERROUS, NONFERROUS METALS, ORES, MINERALS ETC.

EXPERIENCE : SCIENTIST A, N.M.L. SINCE JULY, 1988.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS.

LANGUAGES : BENGALI, HINDI, GUJARATI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH REPORTS - 1.

6008

SHRI D K SHARMA; (B. JULY 30, 1940),

SCIENTIST A, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL DRAUGHTSMANSHIP - POLYTECHNIC, AMBALA CANT '61.

SPECIALIZATIONS : LAYOUT OF MECHANICAL STRUCTURES DRAWINGS.

EXPERIENCE : SUPERVISOR CUM DRAUGHTSMAN, ORIENTAL SCIENTIFIC APPARATUS, 1961-62; APP. DRAUGHTSMAN, JUNIOR DRAUGHTSMAN, SENIOR DRAUGHTSMAN, GR.III (2), GR.III (3), N.M.L., 1962-88; SCIENTIST A, N.M.L. SINCE APRIL, 1988.

6009

SHRI HARIPAL SINGH; (B. AUGUST 15, 1984),

SCIENTIST A, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

6010

SHRI JAGDISH SINGH; (B. OCTOBER 15, 1939),

TECHNICAL OFFICER (A), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

6011

SHRI LALITESHWAR SINGH; (B. DECEMBER 19, 1953),

TECHNICAL OFFICER (A), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - BIHAR '71; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '80.

SPECIALIZATIONS : CHEMISTRY.

EXPERIENCE : S.L.A., J.T.A., S.T.A., N.M.L., 1974-89; SCIENTIST A, N.M.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : CHEMISTRY.

LANGUAGES : ENGLISH.

6012**SHRI SATRUGHAN SINGH; (B. FEBRUARY 13, 1943),**

TECHNICAL OFFICER (A), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : CERTIFICATE IN REFRIGERATION & AIR CONDITIONING COURSE - I.T.C. ENGINEERING COLLEGE, B.H.U. '64.**SPECIALIZATIONS** : REFRIGERATION AND AIRCONDITIONING.**EXPERIENCE** : REFRIGERATION MECHANIC, CALCUTTA COOLER CORP., CALCUTTA, 1964; REFRIGERATION MECHANIC, COOL COMFORT CORP., CALCUTTA, 1964-65; SENIOR REF. MECHANIC, BLUE STAR, CALCUTTA, 1965; A.C.P.A., S.E.R.L.Y. CKP DIV., 1966-70; TECHNICAL OFFICER (A), N.M.L. SINCE JULY, 1990.**PRESENT ACTIVITIES** : MAINTENANCE OF AIR CONDITIONING SERVICES.**LANGUAGES** : HINDI, ENGLISH, BENGALI.**6013****SHRI S K SINHABABU; (B. MARCH 3, 1942),**

SCIENTIST A, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.SC. - BURDWAN '63.**SPECIALIZATIONS** : FOUNDRY TECHNOLOGY.**EXPERIENCE** : GR. APP., S.L.A., J.T.A., GR.III (2), S.T.A., N.M.L., 1964-91; SCIENTIST A, N.M.L. SINCE FEBRUARY, 1991.**PRESENT ACTIVITIES** : R & D.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 9, TECH.REPORTS - 12, PATENTS FILED CURRENTLY - 1, PROCESSES DEVELOPED - 1.**6014****SHRI MD SIRAJUDDIN; (B. DECEMBER 18, 1939),**

TECHNICAL OFFICER (A), NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

QUALIFICATIONS : B.A. - RANCHI '75.**SPECIALIZATIONS** : VEHICAL MAINTENANCE; MECHANICAL OPERATON;**EXPERIENCE** : FINE MECHANIC, FINE MECHANIC SELECTION GRADE, LAB SUPERVISOR., H.L.S. AND TECHNICAL OFFICER, N.M.L., 1960-92; TECHNICAL OFFICER (A), N.M.L. SINCE MARCH, 1989.**6015****SHRI Y N TIWARY; (B. FEBRUARY 28, 1953),**

SCIENTIST A, NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR.

**Central Mining Research Institute,
Dhanbad**

6016

DR B B DHAR; (B. JANUARY 9, 1938),

DIRECTOR, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(ENGG) MINING - B.H.U. '60; M.E. MINING - MC.GILL UNIVERSITY, CANADA '66; PH.D. MINING ENGINEERING - MC.GILL UNIVERSITY, CANADA '70.**SPECIALIZATIONS** : ROCK MECHANICS AND GROUND CONTROL; ENVIRONMENTAL MANAGEMENT OF MINING OPERATIONS; MINE PLANNING AND DESIGN.**EXPERIENCE** : LECTURER, READER AND PROFESSOR, B.H.U., VARANASI, 1960-91; DIRECTOR, C.M.R.I SINCE AUGUST, 1991; (ALSO VISITED SEVERAL COUNTRIES AS AN EXPERT CONSULTANT IN ROCK MECHANICS AND GROUND CONTROL, ENVIRONMENTAL MANAGEMENT & MINING ENGINEERING).**PRESENT ACTIVITIES** : R&D MANAGEMENT IN ROCK MECHANICS & GROUND CONTROL, ENVIRONMENTAL MANAGEMENT & MINING ENGINEERING.**LANGUAGES** : KASHMIRI, HINDI, URDU, ENGLISH.**VISITED** : U.S.A., CANADA, ROMANIA, GERMANY, SWITZERLAND, U.K., SWEDEN, NORWAY, PHILIPPINES, INDONESIA, POLAND, FRANCE.**PUBLICATIONS & PATENTS** : RES. PAPERS-100, TECH. REPORTS-50, SCIENTIFIC BOOKS-3, ARTICLES-25, PATENTS TAKEN-3, PATENTS FILED-4.**AWARDS & DISTINCTIONS** : RAJENDRA PRASAD GOLD MEDAL, INSTITUTION OF ENGINEERS (INDIA), 1977-78; ANNUAL ROCK MECHANICS & GROUND CONTROL AWARD, INDIAN SOCIETY OF ROCK MECHANICS & GROUND CONTROL, 1987-88; MAN OF THE YEAR, INDIAN MINING & ENGINEERING JOURNAL, 1992.**PROFESSIONAL EXPERIENCE(IN YEARS)** : RESEARCH, TEACHING, ACADEMIC ADMN. AND R & D MANAGEMENT - TOTAL 34 YEARS.

6017

DR TRIBHUWAN NATH SINGH; (B. JULY 1, 1939),

SCIENTIST G, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - AGRA '59; B.SC.(ENGG) MINING - B.H.U. '63; M.SC. MINING ENGINEERING - U.K. '81; PH.D. MINING ENGINEERING - I.S.M. '81; PH.D. MINING ENGINEERING - B.H.U. '82.**SPECIALIZATIONS** : METHODS OF MINING THICK COAL SEAMS; MODEL SIMULATION OF MINE WORKING; ROCK MECHANICS AND STRATA CONTROL; HYDROGEOLOGICAL PROBLEMS OF MINES.**EXPERIENCE** : J.R.F. (CSIR), DHANBAD, 1963-66; SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST F, C.M.R.I., 1967-90; (ALSO VISITING LECTURER, DEPARTMENT OF MINING, UNIVERSITY OF NEWCASTLE, U.K., 1979-80); SCIENTIST G, C.M.R.I. SINCE APRIL, 1990; (ALSO INTERNATIONAL SCHOLAR, SOUTHERN ILLINOIS UNIVERSITY, U.S.A., 1992).**PRESENT ACTIVITIES** : R & D IN UNDERGROUND MINING.**LANGUAGES** : HINDI, ENGLISH.**VISITED** : U.K., BELGIUM, THE NETHERLAND, LUXEMBURG, W.GERMANY, FRANCE, HUNGARY.**PUBLICATIONS & PATENTS** : REVIEW PAPERS - 10, RES. PAPERS - 36, PAPERS PRESENTED IN SYMPOSIA/SEMINAR - 55,

PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : SILVER MEDAL FOR BEST PAPER, MGMI, 1969; NATIONAL MINERAL AWARD FOR DEVELOPMENT OF MINING TECHNIQUES, 1980-81; NATIONAL COAL SCIENTIST AWARD FOR METHODS OF THICK DIFFICULT COAL SEAMS, MINISTRY OF ENERGY, GOVT OF INDIA, 1984-85; DISTINGUISHED ALUMMI AWARD, BHU, VARANASI, 1985; FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1985.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 5, APP. RES. - 20, CONSULTANCY - 10, ADMN. - 2, EDITING - 2.

6018

SHRI B D BALIGA; (B. NOVEMBER 3, 1935),

SCIENTIST F, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - MADRAS '56; M.SC. MINING ENGINEERING - PEOPLES' FRIENDSHIP UNIVERSITY, U.S.S.R. '65.**SPECIALIZATIONS** : SLOPE STABILITY; MINE PLANNING.**EXPERIENCE** : ASSISTANT CHEMIST, ROHTAS INDUSTRIES LTD., 1956-59; SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, C.M.R.I., 1966-86; SCIENTIST F, C.M.R.I. SINCE OCTOBER, 1985.**PRESENT ACTIVITIES** : RESEARCH ON SLOPE STABILITY.**LANGUAGES** : KANNADA, HINDI, ENGLISH, RUSSIAN.**VISITED** : U.S.S.R., U.K.**PUBLICATIONS & PATENTS** : RES. PAPERS - SEVERAL, TECH. REPORTS - 3, SCIENTIFIC BOOKS (TRANSLATED) - 1, ARTICLES - OVER 30.**AWARDS & DISTINCTIONS** : CASH AWARD, MINING ENGINEERING ASSOCIATION OF INDIA, 1981.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 20, APP. RES. - 13, CONSULTANCY - 6, TEACHING - 2, DOCUMENTATION - 7.

6019

DR S C SRIVASTAVA; (B. JULY 5, 1935),

SCIENTIST F, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - ALLAHABAD '53; M.SC. PHYSICAL CHEMISTRY - ALLAHABAD '55; D.PHIL. CHEMICAL ULTRASONICS - ALLAHABAD '57.**SPECIALIZATIONS** : INSTRUMENTATION - COMMUNICATION AND DATA MONITORING SYSTEMS FOR MINES; ULTRASONICS; PHYSICAL CHEMISTRY.**EXPERIENCE** : S.R.F. (C.S.I.R.), INDIAN ASSOCIATION FOR CULTIVATION OF SCIENCE, JADAVPUR, 1958-59; RESEARCH FELLOW, MOSCOW STATE UNIVERSITY, 1959-61; VISITING SCIENTIST, RESEARCH COUNCIL OF ALBERTA, CANADA, 1961-63; POOL OFFICER (C.S.I.R.), ALLAHABAD UNIVERSITY, 1963-64; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1964-71; SCIENTIST EI AND SCIENTIST EII, C.M.R.I., 1971-83; SCIENTIST F, C.M.R.I. SINCE APRIL, 1983.**PRESENT ACTIVITIES** : R & D.**LANGUAGES** : HINDI, URDU, ENGLISH, RUSSIAN, FRENCH.**VISITED** : U.S.S.R., CANADA, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 85, TECH. REPORTS - 10, PATENTS TAKEN - 7, PATENTS FILED - 5, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 27, APP. RES. - 18, DESIGN - 18, TECH. DEV. - 18, R & D MGMT. - 18, CONSULTANCY - 12, TEACHING - 1.

6020

DR DEVENDRA NATH THAKUR; (B. OCTOBER 2, 1942),

SCIENTIST F, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) MINING ENGINEERING - RANCHI '61; A.I.S.M. MINING ENGINEERING - I.S.M. '61; PH.D. MINING - PEOPLES' FRIENDSHIP UNIVERSITY, U.S.S.R. '66.

SPECIALIZATIONS : MINING ENGINEERING; HYDRAULIC TRANSPORTATION OF SOLIDS IN PIPES; GEOMICROBIOLOGY.

EXPERIENCE : SAFETY OFFICER, INDIAN IRON & STEEL CO., 1963; RESEARCH SCHOLAR, P.F.U., MOSCOW, 1963-66; POOL OFFICER (CSIR), C.M.R.I., 1966-67; READER, UNIVERSITY OF JODHPUR, 1967-70; SCIENTIST EI AND SCIENTIST EII, C.M.R.I., 1970-84; SCIENTIST F, C.M.R.I. SINCE APRIL, 1984.

PRESENT ACTIVITIES : RESEARCH AND RESEARCH MANAGEMENT IN HYDRAULIC STOWING IN MINES, IN-SITU BIOBLEACHING OF COPPER & ZINC AND BIO-DEGASIFICATION OF COAL SEAMS.

LANGUAGES : HINDI, SANSKRIT, ENGLISH, RUSSIAN.

VISITED : U.S.S.R., POLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 60, TECH. REPORTS - 50, PROCESSES DEVELOPED - SEVERAL, PROCESSES UNDER UTILISATION - SEVERAL.

AWARDS & DISTINCTIONS : DISTINGUISHED ALUMNI AWARD, I S M, DHANBAD, 1976; FELLOW, GEOLOGICAL SOCIETY OF INDIA, 1987.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 22, DESIGN - 17, TECHNOLOGY TRANSFER - 12, PILOT PLANT - 3, CONSULTANCY - 17, R & D MGMT. - 17, PRODN. - 3, TEACHING - 3.

6021

DR CHIRANJIB BANDYOPADHAY; (B. JULY 3, 1945),

SCIENTIST EII, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.E. MINING ENGINEERING - CALCUTTA '66; POST GRADUATE DIPLOMA IN JOURNALISM - I.I.M.C., NEW DELHI '72; M.S. MINING ENGINEERING - S.I.U.C., U S A '82; PH.D. MINING ENGINEERING - I.S.M. '88.

SPECIALIZATIONS : ROCK MECHANICS; COMPUTER SOFTWARE DEVELOPMENT; NUMERICAL ANALYSIS; COMPUTER SIMULATION.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.R.I., 1966-88; SCIENTIST EII, C.M.R.I. SINCE MARCH, 1988.

PRESENT ACTIVITIES : RESEARCH IN ROCK MECHANICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : ROMANIA, U S A

PUBLICATIONS & PATENTS : TECH. REPORTS - 35, ARTICLES - 16.

AWARDS & DISTINCTIONS : MEMBER, TAU BETA PAI, U S A, 1982.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 8, R & D MGMT. - 3, CONSULTANCY - 1, EDITING - 4, TEACHING - 4, COMPUTER PROCESSING - 2.

6022

DR BANGSI DHAR BANERJEE; (B. JULY 31, 1936),

SCIENTIST EII, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '57; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '61; PH.D. FUEL ENGINEERING - I.S.M. '82.

SPECIALIZATIONS : ASSESSMENT AND CONTROL OF MINE GASES; MINE FIRES; FUEL AND GAS ANALYSIS; ANALYSIS OF ORES, MINERALS, SILICATES AND ALLOYS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C, AND SCIENTIST EI, C.M.R.I., 1958-86; (ALSO TRAINING IN MINING, U.K., 1968); SCIENTIST EII, C.M.R.I. SINCE APRIL, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH, GERMAN.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 52, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 20, DESIGN - 2, CONSULTANCY - 7.

6023

SHRI NRIPENDRA NATH BANERJEE; (B. JUNE 19, 1936),

SCIENTIST EII, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '58; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '63; M.TECH. CIVIL ENGINEERING (ENVIRONMENTAL ENGINEERING) - I.I.T., KANPUR '78.

SPECIALIZATIONS : DETECTOR TUBES FOR TOXIC GASES AND VAPOURS; ENVIRONMENTAL POLLUTION.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.R.I., 1959-89; SCIENTIST EII, C.M.R.I. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 5.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DETECTOR TUBES FOR HYDROGEN SULPHIDE, 1974.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27, TECHNICAL DEVELOPMENT - 15, TESTING - 20.

6024

SHRI BIMAL CHANDRA BHOWMICK; (B. MARCH 1, 1940),

SCIENTIST EII, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : M.SC. PHYSICS - NAGPUR '61.

SPECIALIZATIONS : MINE VENTILATION.

EXPERIENCE : ASSTT. LECTURER, GOVERNMENT POLYTECHNIC, NAGPUR, 1961-62; S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.R.I., 1962-88; (ALSO ADVANCED TRAINING IN COMPUTER BASED VENTILATION PLANNING OF MINES AND DEVELOPMENT OF INSTRUMENTS, W. GERMANY, 1979); SCIENTIST EII, C.M.R.I. SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : PRESSURE BALANCING AND MINE VENTILATION PLANNING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RES. - 26, TEACHING - 1, COMPUTER PROCESSING - 10, PLANNING - 20, CONSULTANCY - 5.

6025

DR A K DUBE; (B. JULY 1, 1940),

SCIENTIST EII, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - MADHYA PRADESH '60; B.E. MINING - SAUGAR '64; PH.D. ROCK MECHANICS - ROORKEE '80.

SPECIALIZATIONS : ROCK MECHANICS; TUNNEL SUPPORT DESIGN; GROUND CONTROL MEASURES; GEOMECHANICS.

EXPERIENCE : S.R.F., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.R.I., 1964-86; SCIENTIST EII, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN ROCK MECHANICS.

LANGUAGES : HINDI, ENGLISH, FRENCH.

VISITED : U S A, U.K., CHINA.

PUBLICATIONS & PATENTS : RES. PAPERS - 40, TECH. REPORTS - 35, ARTICLES - 5.

AWARDS & DISTINCTIONS : GOLD MEDAL FOR BEST PAPER ON ROCK MECHANICS, INDIAN GEOTECHNICAL SOCIETY, 1980.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 21, CONSULTANCY - 15.

6026

DR J L JETHWA; (B. MAY 25, 1942),

SCIENTIST EII, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.E. MINING - SAUGAR '64; PH.D. MINING (ROCK MECHANICS) - ROORKEE '82.

SPECIALIZATIONS : ROCK MECHANICS; GROUND CONTROL MEASURES; GEOMECHANICS; TUNNEL SUPPORT DESIGN AND PREDICTION OF TUNNELLING PROBLEMS; INSTRUMENTATION IN TUNNELS AND CAVERNS.

EXPERIENCE : J.R.F., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.R.I., 1964-86; SCIENTIST EII, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN ROCK MECHANICS.

LANGUAGES : GUJARATI, HINDI, ENGLISH, FRENCH.

VISITED : U S A, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 45, TECH. REPORTS - 45.

AWARDS & DISTINCTIONS : GOLD MEDAL FOR BEST PAPER ON ROCK MECHANICS, H E I C O, 1979; SMT INDIRA JOSHI AWARD, INDIAN GEOTECHNICAL SOCIETY, 1986; FELLOW, INDIAN GEOTECHNICAL SOCIETY, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, CONSULTANCY - 19, ADMN. - 2.

6027

SHRI SARAT KUMAR MUKHERJEE; (B. JULY 13, 1937),

SCIENTIST EII, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.E. MINING ENGINEERING - CALCUTTA '60; SECOND CLASS COLLIERY MANAGER'S CERTIFICATE OF COMPETENCY - MINISTRY OF LABOUR, GOI '63; CERT. IN APPLIED ROCK MECHANICS - I.S.M. '73.

SPECIALIZATIONS : HYDRAULIC AND PNEUMATIC STOWING IN MINES; HYDRAULIC AND CONVEYANCE OF SOLIDS IN PIPE LINES.

EXPERIENCE : J.S.O./SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.R.I., 1963-85; (ALSO VISITED W. GERMANY UNDER INDO-GERMAN EXCHANGE PROGRAMME, 1975); SCIENTIST EII, C.M.R.I. SINCE NOVEMBER, 1985.

PRESENT ACTIVITIES : R & D, DESIGN AND CONSULTANCY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 50, PROCESSES DEVELOPED - 29, PROCESSES UNDER UTILISATION - 26.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APP. RES. - 25, DESIGN - 12, PILOT PLANT - 2, CONSULTANCY - 12, TECH. DEV. - 12.

6028

DR S K SARKAR; (B. OCTOBER 16, 1937),

SCIENTIST EII, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - CALCUTTA '58; B.SC. (MINING) & A.I.S.M. MINING ENGINEERING - I.S.M. '62; PH.D. MINING ENGINEERING - CALCUTTA '76; B.L. - RANCHI '71.

SPECIALIZATIONS : LONGWALL CAVING; FLAME-PROOF ELECTRICAL EQUIPMENT.

EXPERIENCE : J.S.O., S.S.O. II/ SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.R.I., 1963-84, SCIENTIST EII, C.M.R.I. SINCE SEPTEMBER, 1984.

PRESENT ACTIVITIES : RESEARCH; CONSULTANCY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : W. GERMANY, CZECHOSLOVAKIA, U.K., FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 50, TECH. REPORTS - 50, ARTICLES - 15, BOOKS - 2.

AWARDS & DISTINCTIONS : MEMBER, INTERNATIONAL SOCIETY OF MINE SURVEYING AND ROCK MOVEMENT.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, CONSULTANCY - 25.

6029

DR NARESH CHANDRA SAXENA; (B. OCTOBER 18, 1941),

SCIENTIST EII, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. MINING ENGINEERING - B.H.U. '63; PH.D. MINING ENGINEERING - B.H.U. '75.

SPECIALIZATIONS : MINE SUBSIDENCE AND ENVIRONMENT.

EXPERIENCE : J.R.F., C.M.R.I., 1963-66; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.R.I., 1966-86; SCIENTIST EII, C.M.R.I. SINCE JANUARY, 1986.

PRESENT ACTIVITIES : R & D IN MINE SUBSIDENCE ENVIRONMENT AND CONSULTANCY.

LANGUAGES : HINDI, ENGLISH.

VISITED : GERMANY, ITALY, SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 60, TECH. REPORTS - OVER 150, CONTRIBUTION IN BOOKS - 1.

AWARDS & DISTINCTIONS : GOLD MEDAL FOR BEST PAPER, MGMI, 1984, 1989; SILVER MEDAL FOR BEST PAPER, MGMI, 1984.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27, CONSULTANCY - 18, R & D MGMT. - 21.

6030

DR P R SHEOREY; (B. JANUARY 1, 1942),

SCIENTIST EII, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.E. MINING ENGINEERING - SAUGAR '64; PH.D. MINING ENGINEERING (ROCK MECHANICS) - NEW CASTLE, U.K. '76.

EXPERIENCE : S.R.F., C.M.R.I., 1964-67; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.R.I., 1967-86; (ALSO PART-TIME TEACHING, BIHAR INSTITUTE OF TECHNOLOGY, SINDRI); SCIENTIST EII, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN ROCK MECHANICS.

LANGUAGES : MARATHI, HINDI, BENGALI, ENGLISH.

VISITED : U.K., W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 32.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 21, CONSULTANCY - 21, TEACHING - 10.

6030

SPECIALIZATIONS: MINING ENGINEERING; ROCK MECHANICS.

6031

SHRI MANINDRA NATH TARAFDER; (B. MARCH 1, 1944),

SCIENTIST EII, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.TECH. (HONS.) MINING ENGINEERING - I.I.T., KHARAGPUR '65; INSTRUCTION COURSE IN MINING EQUIPMENT - I.I.T., KHARAGPUR '76.

SPECIALIZATIONS : MINING EQUIPMENT AND MACHINERIES; TECHNO-ECONOMIC SURVEYS; QUALITY CONTROL.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.R.I., 1965-84; (ALSO HIGHER TRAINING IN MINING EQUIPMENT, U.K., 1976); SCIENTIST EII, C.M.R.I. SINCE NOVEMBER, 1984.

PRESENT ACTIVITIES : R & D AND QUALITY CONTROL OF MINING EQUIPMENT AND MACHINERY

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 3, ARTICLES - 4, PATENTS TAKEN - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, DESIGN - 2, TECH. DEV. - 9, TESTING - 2, QLTY. CONTROL - 4, TECHNO-ECONOMIC SURVEYS - 2.

6032

SHRI J ACHARI; (B. MARCH 2, 1942),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - RANCHI '61; M.SC. CHEMISTRY - PATNA '63.

SPECIALIZATIONS : INTRINSIC SAFETY; FLAMMABILITY OF MATERIALS; FRICTIONAL INCENDIVITY AND TESTING OF EXPLODERS.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST, C.M.R.I., 1965-86; SCIENTIST EI, C.M.R.I. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : RESEARCH; TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, ARTICLES - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21, TESTING - 20, EDITING - 3, TEACHING - 2.

6033

SHRI A K ACHARYYA; (B. FEBRUARY 22, 1937),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '57; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '71.

SPECIALIZATIONS : MINE FIRES; CATALYSIS; MINE SAFETY APPLIANCES.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1959-85; (ALSO VISITED HUNGARY, UNDER CULTURAL EXCHANGE PROGRAMME, 1968; TRAINING IN AIR POLLUTION AND GAS CHROMATOGRAPHY, CZECHOSLOVAKIA, 1979); SCIENTIST EI, C.M.R.I. SINCE JANUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : HUNGARY, CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 16, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, TECHNICAL DEVELOPMENT - 1, DESIGN - 1, CONSULTANCY - 12, QUALITY CONTROL - 2, ADMN. - 1.

6034

SHRI R N BAIJAL; (B. FEBRUARY 11, 1936),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - ALLAHABAD '54; M.SC. PHYSICS - NAGPUR '56; DIPLOMA IN MINING ENGINEERING - LEEDS UNIVERSITY, U.K. '59; B.SC.(HONS) MINING - LEEDS UNIVERSITY, U.K. '60; POST GRADUATE DIPLOMA IN APPLIED GEOPHYSICS - LEEDS UNIVERSITY, U.K. '61.

SPECIALIZATIONS : SPECTROSCOPIC ANALYSIS; GEO-PHYSICAL EXPLORATION; METHODS OF WORKING IN MINES; STRATA CONTROL SURVEYS.

EXPERIENCE : APPRENTICE MINING ENGINEER, WESTERN BENGAL COAL FIELDS LTD., 1961-62; SCIENTIST B AND SCIENTIST C, C.M.R.I., 1963-76; SCIENTIST EI, C.M.R.I. SINCE SEPTEMBER, 1976.

PRESENT ACTIVITIES : RESEARCH IN MINE WORKING AND MINING METHODS.

LANGUAGES : HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27.

6035

SHRI AUROBINDO BANERJEE; (B. JULY 23, 1937),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '56, P.G. DIPLOMA IN ECOLOGY & ENVIRONMENT

SPECIALIZATIONS : ENVIRONMENTAL POLLUTION.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1958-88; SCIENTIST EI, C.M.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : RESEARCH IN ENVIRONMENTAL POLLUTION.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 9.

AWARDS & DISTINCTIONS : B E L (INDUSTRIAL MEDICINE) AWARD FOR THE BEST RESEARCH PAPER, SOCIETY FOR THE STUDY OF INDUSTRIAL MEDICINE, CALCUTTA, 1969.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 24, TECH. DEV. - 2, TESTING - 1.

6036

SHRI DIPAK BARAT; (B. DECEMBER 17, 1937),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '60.

SPECIALIZATIONS : ROCK MECHANICS AND GROUND CONTROL.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1960-89; SCIENTIST EI, C.M.R.I. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 25, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 28, APP. RES. - 30, CONSULTANCY - 45.

6037

SHRI BIRAJ KUMAR BARMAN; (B. NOVEMBER 1, 1935),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '55; MERIT CERTIFICATE IN MINING - GOVERNMENT OF W.BENGAL '60; OVERMAN'S CERTIFICATE OF COMPETENCY - D.G.M.S. '59.

SPECIALIZATIONS : MINING ENGINEERING; MINE BLASTING; STRATA CONTROL.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1961-89; SCIENTIST EI, C.M.R.I. SINCE APRIL, 1989.

PRESENT ACTIVITIES : RESEARCH IN MINE BLASTING TECHNIQUES AND STRATA CONTROL.

LANGUAGES : BENGALI, HINDI, ASSAMESE, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 80, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 2, PAPERS - 13.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 30.

6038

SHRI M M BHATTACHARYYA; (B. SEPTEMBER 1, 1943),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '64; M.SC. ORGANIC CHEMISTRY - CALCUTTA '76.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '64; M.SC. ORGANIC CHEMISTRY - CALCUTTA '76.

SPECIALIZATIONS : CHEMISTRY OF EXPLOSIVES; MINING EXPLOSIVES.

EXPERIENCE : ASSISTANT TEACHER, B.M. INSTITUTION, BAIDYABATI, 1964-65; CHEMICAL ASSISTANT, DEPARTMENT OF EXPLOSIVES, GOVERNMENT OF INDIA, CALCUTTA, 1965-66; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1966-87; SCIENTIST EI, C.M.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : R & D OF MINING EXPLOSIVES.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, TEACHING - 1.

6039

SHRI BARID BARAN CHAIRA; (B. FEBRUARY 8, 1937),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - CALCUTTA '59; M.SC. MATHEMATICS - RANCHI '78.

SPECIALIZATIONS : ENVIRONMENTAL POLLUTION.

EXPERIENCE : ASSISTANT TEACHER, MIDNAPORE COLLEGIATE SCHOOL, 1959-60; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1960-87; SCIENTIST EI, C.M.R.I. SINCE JANUARY, 1987.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL POLLUTION AND CONTROL.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10; TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 28, TEACHING - 1, CONSULTANCY - 2.

6040

SHRI M C CHATTERJEE; (B. DECEMBER 23, 1935),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '57; STATISTICIAN'S DIPLOMA - I.S.I., CALCUTTA '72.

SPECIALIZATIONS : STATISTICS; TECHNOLOGY TRANSFER; INDUSTRIAL LIAISON; PATENTS INFORMATION SYSTEM.

EXPERIENCE : INSPECTOR (STATISTICS), DIRECTORATE OF INDUSTRIES, WEST BENGAL, CALCUTTA, 1960-65; S.S.A., C.S.I.R., NEW DELHI, 1965-71; SCIENTIST B AND SCIENTIST C, C.M.R.I., 1971-87; SCIENTIST EI, C.M.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : INDUSTRIAL LIAISON; INFORMATION DISSEMINATION; TECHNOLOGY TRANSFER.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNO-ECONOMIC SURVEYS - 5, TECHNOLOGY TRANSFER - 23, EXTENSION - 6.

6041

DR MAHENDRA NARAYAN DAS; (B. APRIL 14, 1941),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '63; B.TECH. (HONS.) MINING ENGINEERING - I.S.M. '77; FIRST CLASS MINE MANAGER'S CERTIFICATE OF COMPETENCY - DTE. GENERAL OF MINES SAFETY, INDIA '79; PH.D. MINING ENGINEERING - I.S.M. '85.

SPECIALIZATIONS : ROCK MECHANICS AND GROUND CONTROL; MINING ENGINEERING.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1964-85; SCIENTIST EI, C.M.R.I. SINCE APRIL, 1985.

PRESENT ACTIVITIES : RESEARCH AND CONSULTANCY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 13, CONSULTANCY - 5.

6042

SHRI ACHINTYA DASGUPTA; (B. DECEMBER 17, 1935),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '58; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '83.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY; ANALYSIS OF COAL DUST AND MINE DUST; INDUSTRIAL EFFLUENTS.

EXPERIENCE : DEMONSTRATOR, R.G.KAR MEDICAL COLLEGE, CALCUTTA, 1959-60; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1960-88; SCIENTIST EI, C.M.R.I. SINCE MARCH, 1988.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL POLLUTION CONTROL.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, CONSULTANCY - 3, TEACHING - 10, TESTING - 23.

6043

SHRI A K GHOSH; (B. APRIL 30, 1956),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '75; B.TECH. (HONS) - INDIAN SCHOOL OF MINES '81; D.I.S.M. MINES PLANNING & DESIGN - INDIAN SCHOOL OF MINES '83; M.TECH. - INDIAN SCHOOL OF MINES '87.

SPECIALIZATIONS : MINE PLANNING AND DESIGN; ROCK MECHANICS.

EXPERIENCE : G E T (MINING), KCC (HCL), 1981-82; SCIENTIST C, C.M.R.I., 1984-88; SCIENTIST EI, C.M.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.**6044****SHRI JAGADISH CHANDRA GHOSH; (B. JANUARY 1, 1938),**

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '59; POST DIPLOMA IN HEAT TREATMENT OF CASTINGS AND FORGINGS - N.I.F.F.T., RANCHI '69.**SPECIALIZATIONS :** PHYSICAL METALLURGY.**EXPERIENCE :** J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1960-89; (ALSO TRAINING IN MODERN METHOD ON STUDIES OF MATERIAL PROPERTIES WIRE ROPES, AUSTRALIA, 1968); SCIENTIST EI, C.M.R.I. SINCE FEBRUARY, 1989.**PRESENT ACTIVITIES :** R & D OF MATERIALS USED IN MINES.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**VISITED :** AUSTRALIA.**PUBLICATIONS & PATENTS :** ARTICLES - 4.**PROFESSIONAL EXPERIENCE(IN YEARS) :** DESIGN - 6, TECH. DEV. - 6, CONSULTANCY - 2, OPERATION - 6, TESTING - 6, QUALITY CONTROL - 5, TECHNO-ECONOMIC SURVEYS - 1.**6045****SHRI SALIL KUMAR GHOSH; (B. JANUARY 17, 1939),**

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '58; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '64.**SPECIALIZATIONS :** FUEL AND GAS ANALYSIS; GAS CHROMATOGRAPHY; SPONTANEOUS HEATING AND MINE FIRES.**EXPERIENCE :** J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1959-87; SCIENTIST EI, C.M.R.I. SINCE JUNE, 1987.**PRESENT ACTIVITIES :** R & D IN SPONTANEOUS HEATING & MINE FIRE.**LANGUAGES :** BENGALI, HINDI, ENGLISH, GERMAN.**PUBLICATIONS & PATENTS :** RES. PAPERS - 7, TECH. REPORTS - 4.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 10, APP. RES. - 25, CONSULTANCY - 10, TESTING - 10, QUALITY CONTROL - 10.**6046****DR SANJOY KUMAR GHOSH; (B. JANUARY 1, 1935),**

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '57; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '63; M.TECH. CIVIL ENGI-

NEERING - I.I.T., KANPUR '76; PH.D. MINING ENGINEERING - I.S.M. '84.

SPECIALIZATIONS : ENVIRONMENTAL ENGINEERING (ASSESSMENT & CONTROL); POLLUTION SAFETY AND BREATHING EQUIPMENT.**EXPERIENCE :** ASSISTANT SCIENCE TEACHER, GOYS-ABAD ACHALA VIDYA MANDIR, W. BENGAL, 1957-58; J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1959-84; SCIENTIST EI, C.M.R.I. SINCE MAY, 1984; (ALSO VISITED W. GERMANY UNDER DAAD EXCHANGE PROGRAMME)**PRESENT ACTIVITIES :** STUDY AND ASSESSMENT OF WATER QUALITY IN D.V.C. AREA, (SPONSERED BY MINISTRY OF WATER RESOURCES); ENVIRONMENTAL MONITORING AT MEHSANA, GUJARAT (SPONSORED BY ONGC).**LANGUAGES :** BENGALI, HINDI, ENGLISH, GERMAN.**VISITED :** W. GERMANY.**PUBLICATIONS & PATENTS :** RES. PAPERS - 35, ARTICLES - 2, REVIEW PAPERS - 15, PROCESSES DEVELOPED - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 20, TESTING - 21, QUALITY CONTROL - 21, TEACHING - 1, SURVEY OF NATURAL RESOURCES - 12, PLANNING - 15.**6047****DR A GUPTA; (B. JANUARY 10, 1935),**

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '56; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '62; PH.D. APPLIED CHEMISTRY - I.S.M. '86.**SPECIALIZATIONS :** CORROSION SCIENCE; ANALYTICAL CHEMISTRY.**EXPERIENCE :** J.S.A., S.S.A., J.S.O./SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1959-84; (ALSO STUDY ON THE ADVANCED CORROSION SCIENCE, U.K., 1971); SCIENTIST EI, C.M.R.I. SINCE JANUARY, 1984.**PRESENT ACTIVITIES :** R & D ON CORROSION AND ITS PREVENTION IN COAL MINES.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**VISITED :** U.K.**PUBLICATIONS & PATENTS :** RES. PAPERS - 7, TECH. REPORTS - 5.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 5, APP. RES. - 23, TESTING - 28.**6048****SHRI M L GUPTA; (B. NOVEMBER 20, 1941),**

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.E. MINING - SAUGAR '60; M.TECH. MINING ENGINEERING - I.S.M., DHANBAD '79.**SPECIALIZATIONS :** MINING ENGINEERING; MINE VENTILATION.**EXPERIENCE :** S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1966-85; SCIENTIST EI, C.M.R.I. SINCE AUGUST, 1985; (ALSO HIGHER TRAINING IN MINING ENGINEERING AT HIGHER INSTITUTE OF MINING & GEOLOGY, SOFIA, BULGARIA, UNDER EXCHANGE PROGRAMME, 1988).

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

VISITED : BULGARIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 15, CONSULTANCY - 5, R & D MGMT. - 6, TEACHING - 7.

6049

SHRI K C JAYAPRAKAS; (B. FEBRUARY 22, 1939),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.A. (HONS.) CHEMISTRY - MADRAS '58.

SPECIALIZATIONS : INORGANIC CHEMISTRY.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1959-87; SCIENTIST EI, C.M.R.I. SINCE JANUARY, 1987.

PRESENT ACTIVITIES : R & D IN MINE SAFETY.

LANGUAGES : MALAYALAM, TAMIL, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, TESTING - 29.

6050

DR SUKUMAR MANDAL; (B. NOVEMBER 9, 1941),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.V.SC. & A.H. - CALCUTTA '63; M.V.SC. ANIMAL PHYSIOLOGY - AGRA '66.

SPECIALIZATIONS : OCCUPATIONAL HEALTH; ENVIRONMENTAL POLLUTION; INDUSTRIAL TOXICOLOGY.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1966-88; SCIENTIST EI, C.M.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH IN OCCUPATIONAL HEALTH.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 21, TECH. REPORTS - 5, ARTICLES - 4, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : AWASTHY AWARD FOR THE BEST PAPER PRESENTED, I M L T A, 1980; CASH AWARD FOR SELECTED PAPER PRESENTED, INSTITUTE OF ENERGY AND MANAGEMENT, 1983.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 11, TECH. DEV. - 1, CONSULTANCY - 1, PLANNING - 1, TESTING - 1.

6051

SHRI K P MUKHERJEE; (B. NOVEMBER 11, 1935),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : CERTIFICATE OF MERIT IN MINING ENGINEERING - BIHAR '59; OVERMAN'S CERTIFICATE OF COMPETENCY - DEPARTMENT OF MINES, DHANBAD '60.

SPECIALIZATIONS : STRATA CONTROL IN LONGWALL AND PILLAR WORKINGS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1961-89; SCIENTIST EI, C.M.R.I. SINCE MARCH, 1989.

PRESENT ACTIVITIES : STRATA CONTROL OBSERVATIONS IN LONGWALL, BOARD AND PILLAR WORKINGS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27, DESIGN - 27, TECHNICAL DEV. - 27.

6052

SHRI UMA SHANKER NIGAM; (B. NOVEMBER 5, 1937),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - LUCKNOW '57; M.SC. PHYSICS - LUCKNOW '61.

SPECIALIZATIONS : MINE SAFETY EQUIPMENT; MINE ILLUMINATION.

EXPERIENCE : LECTURER, S.J.D. COLLEGE, BISWAN, 1961-62; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1962-85; (ALSO TRAINING IN DESIGN, DEVELOPMENT AND TESTING OF MINERS SAFETY EQUIPMENT, U.K., 1969-70); SCIENTIST EI, C.M.R.I. SINCE FEBRUARY, 1985.

PRESENT ACTIVITIES : R & D; TESTING & DEVELOPMENT OF MINERS SAFETY EQUIPMENT AND MINE LIGHTING.

LANGUAGES : HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 1, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, DESIGN - 10, TECHNICAL DEVELOPMENT - 10, CONSULTANCY - 16, R & D MGMT. - 16, TESTING - 18, QUALITY CONTROL - 10, MAINTENANCE - 15, TEACHING - 1, TECHNO-ECONOMIC SURVEYS - 2, PLANNING - 10.

6053

SHRI ARUN KUMAR PRASAD; (B. JULY 1, 1939),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING ENGINEERING - BIHAR '59; B.TECH. (HONS.) MINING ENGINEERING - I.S.M., DHANBAD '76; FIRST CLASS COAL MINE MAN-

AGER'S CERTIFICATE OF COMPETENCY - DTE. GENERAL OF MINES SAFETY, DHANBAD '79.

SPECIALIZATIONS : LONGWALL MINING/MACHINE HEALTH MONITORING.

EXPERIENCE : APPRENTICE/OVERMAN & MINING SIRDAR, N.C.D.C. LTD., SAUNDA COLLIERY, 1960-63; OVERMAN, BOKARO & RAMGAR LTD., JHARKHAND COLLIERY, 1964-65; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1965-88; SCIENTIST EI, C.M.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R&D IN STRATA CONTROL & MACHINE HEALTH MONITORING IN MINES.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, DESIGN - 3, TEACHING (PART-TIME) - 11, COMPUTER PROCESSING - 1, COAL INDUSTRY - 5.

6054

DR MOHAN PRASAD; (B. JANUARY 1, 1954),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - GORAKHPUR '73; M.SC. MATHEMATICS - GORAKHPUR '75; PH.D. APPLIED MATHEMATICS - I.I.T., NEW DELHI '81.

SPECIALIZATIONS : INSTRUMENTATION IN ROCK MECHANICS; NUMERICAL MODELLING.

EXPERIENCE : J.R.F., S.R.F. AND P.D.F., C.S.I.R., 1979-82; LECTURER, INDIAN SCHOOL OF MINES, DHANBAD, 1982-84; SCIENTIST C, C.M.R.I., 1984-89; SCIENTIST EI, C.M.R.I. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : RESEARCH IN ROCK MECHANICS INSTRUMENTATION AND NUMERICAL MODELLING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, TEACHING - 2.

6055

SHRI R K PRASAD; (B. JANUARY 19, 1941),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING & MINE SURVEYING - BIHAR '61; B.TECH. MINING - I.S.M. '83.

SPECIALIZATIONS : ROCK MECHANICS AND GROUND CONTROL.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1963-89; SCIENTIST EI, C.M.R.I. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : INVESTIGATION AND RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 3, PATENTS TAKEN - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25.

6056

DR V V RAMANA PRASAD; (B. FEBRUARY 25, 1953),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - ANDHRA '72; M.SC. APPLIED MATHEMATICS - J.N. TECHNICAL UNIVERSITY '74; PH.D. APPLIED MATHEMATICS - KAKATIYA UNIVERSITY '80.

SPECIALIZATIONS : APPLIED MATHEMATICS - MECHANICS OF FLUIDS AND SOLIDS; NUMERICAL METHODS IN GEOTECHNICAL ENGINEERING; ROCK MECHANICS.

EXPERIENCE : J.R.F. AND S.R.F., C.S.I.R., 1976-80; LECTURER, K.L. ENGINEERING COLLEGE, VIJAYAWADA, 1981; LECTURER, G.N.D. ENGINEERING COLLEGE, BIDAR, 1981-83; SCIENTIST C, C.M.R.I., 1984-89; SCIENTIST EI, (ROORKEE UNIT) C.M.R.I. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : MATHEMATICAL MODELLING & COMPUTER APPLICATIONS IN ROCK MECHANICS.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 5, TEACHING - 3.

6057

DR PIJUSH PAL ROY; (B. NOVEMBER 12, 1957),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - CALCUTTA '77; M.SC. APPLIED MATHEMATICS - CALCUTTA '79; M.PHIL APPLIED MATHEMATICS - I.S.M. '82; PH.D. APPLIED MATHEMATICS - I.S.M. '84.

SPECIALIZATIONS : MATHEMATICAL/COMPUTER MODELS OF BLAST VIBRATIONS AND FRAGMENTATION; STRUCTURAL DAMAGE DUE TO BLAST VIBRATIONS; STRESS ANALYSIS BY FINITE ELEMENT METHODS.

EXPERIENCE : PART-TIME LECTURER, R.K. MISSION VIDYAMANDIR, BELUR, 1980-81; RESEARCH FELLOW, I.S.M., DHANBAD, 1981-82; LECTURER, R.K. MISSION VIDYAMANDIRA AND JHARGRAM GOVT. COLLEGE, W.BENGAL, 1982-86; SCIENTIST C, C.M.R.I., 1986-89; SCIENTIST EI, C.M.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : COMPUTER MODELLING; STATISTICAL ANALYSIS.

LANGUAGES : BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, ARTICLES - 1, TECH. REPORTS - 15.

AWARDS & DISTINCTIONS : CSIR YOUNG SCIENTIST AWARD IN EARTH SCIENCES, 1989; CSIR GOLDEN JUBILEE WHITTAKER AWARD, 1993.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 2, TEACHING - 4.

6058

SHRI S SAMANTA; (B. SEPTEMBER 28, 1936),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '57; DIPLOMA IN MINING ENGINEERING - BIHAR '60.

SPECIALIZATIONS : MINE SUBSIDENCE; STRATA CONTROL IN LONGWALL MINING.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1961-87; (ALSO STUDY ON THE ADVANCEMENT OF ROCK MECHANICS, U.K., 1970-71); SCIENTIST EI, C.M.R.I. SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 60.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 29.

6059

SHRI N L SAO; (B. FEBRUARY 28, 1936),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - BIHAR '58; M.SC. PHYSICS - PATNA '61; CERTIFICATE IN RADIOLOGICAL PHYSICS - B.A.R.C., BOMBAY '66.

SPECIALIZATIONS : NON-DESTRUCTIVE TESTING & X-RAY TECHNOLOGY; MATERIALS EVALUATION TECHNOLOGY; RADIOLOGICAL PHYSICS.

EXPERIENCE : LECTURER, DEOGARH COLLEGE, DEOGARH, 1961-63; S.S.A. AND SCIENTIST A, C.M.R.I., 1963-72; INDUSTRIAL RADIOLOGIST, B.H.E.L., HARDWAR, 1972-73; SCIENTIST B AND SCIENTIST C, C.M.R.I., 1973-84; SCIENTIST EI, C.M.R.I. SINCE MARCH, 1984.

PRESENT ACTIVITIES : R & D; TESTING.

LANGUAGES : HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, TESTING - 28, QUALITY CONTROL - 28, TEACHING - 2, ADMN. - 9.

6060

DR(MRS) K K SAROJ; (B. JULY 7, 1937),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - ALLAHABAD '56; M.SC. ORGANIC CHEMISTRY - ALLAHABAD '58; D.PHIL. FERMENTATION CHEMISTRY - ALLAHABAD '61.

SPECIALIZATIONS : BIOLEACHING OF ORES; BIODEGASIFICATION OF COAL SEAMS; PROTEIN CHEMISTRY; FERMENTATION CHEMISTRY.

EXPERIENCE : J.R.F., U.G.C., 1958-61; POST DOCTORAL RESEARCH FELLOW, UNIVERSITY OF ALBERTA, CANADA, 1961-63; POOL OFFICER, CSIR, 1963-65; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1965-72; SCIENTIST C, C.M.R.I., 1973-80; (ALSO TRAINING IN BACTERIAL LEACHING OF LOW GRADE COPPER ORES, AUSTRALIA, 1977); SCIENTIST EI, C.M.R.I. SINCE AUGUST, 1980.

PRESENT ACTIVITIES : R & D IN BIOLEACHING AND BIODEGASIFICATION.

LANGUAGES : HINDI, ENGLISH, GERMAN.

VISITED : CANADA, AUSTRALIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 37, PATENTS TAKEN - 5, PROCESSES DEVELOPED - 10, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : FELLOW, GEOLOGICAL SOCIETY OF INDIA.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 30, APP. RES. - 24, TEACHING - 1.

6061

SHRI RAJENDRA PRASAD SINGH; (B. JANUARY 1, 1940),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING ENGINEERING - STATE BOARD OF TECH. EDUCATION, BIHAR '62; B.TECH.(HONS) MINING ENGINEERING - I.S.M. '76; OVERMAN'S CERTIFICATE OF COMPETENCY; FIRST CLASS MINE MANAGER'S CERTIFICATE OF COMPETENCY - D.G.M.S '77.

SPECIALIZATIONS : ROCK MECHANICS; BEHAVIOUR OF ROOF AND FLOOR STRATA IN MINES.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST EI, C.M.R.I., 1965-88; SCIENTIST EI, C.M.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : MINE SAFETY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 23, DESIGN - 1, TECHNICAL DEVELOPMENT - 1.

6062

SHRI RAM BRAT SINGH; (B. JANUARY 7, 1941),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '62; B.TECH. (HONS.) MINING ENGINEERING - I.S.M. '76; COAL MINE SURVEYOR'S CERTIFICATE OF COMPETENCY - D.G.M.S., DHANBAD, 1965; 2ND CLASS MINE MANAGER'S CERTIFICATE OF COMPETENCY - D.G.M.S., DHANBAD, 1970; 1ST CLASS MINE MANAGER'S CERTIFICATE OF COMPETENCY - D.G.M.S., DHANBAD '76.

SPECIALIZATIONS : MINE BLASTING; GROUND VIBRATION DUE TO BLASTINGS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.I., 1963-88; SCIENTIST EI, C.M.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN BLASTING.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : PAPERS PRESENTED/PUBLISHED - 4, TECH. REPORTS - 50.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24.

6063

DR UPENDRA K SINGH; (B. DECEMBER 9, 1956),
SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD

QUALIFICATIONS : B.TECH. MINING ENGINEERING -
B.H.U. '79; LICENTIATE IN ROCK MECHANICS - LULEA
UNIVERSITY, SWEDEN '88; PH.D. (DOCTORAL) ROCK
MECHANICS - LULEA UNIVERSITY, SWEDEN '88.

SPECIALIZATIONS : MINING ENGINEERING; ROCK ME-
CHANICS.

EXPERIENCE : MINING ENGINEER, HINDUSTAN ZINC
LTD., 1979-83; SCIENTIST EI, C.M.R.I. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : R&D IN ROCK MECHANICS FOR
METAL MINING; GALLERY SUPPORT IN COALMINES; ROCK
MECHANICS KNOWLEDGE BASE.

LANGUAGES : HINDI, ENGLISH, SWEDISH.

VISITED : SWEDEN, U S A, AUSTRIA, ENGLAND, DENMARK,
FINLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH.
REPORTS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 5, MINING ENGINEER - 3.

6064

SHRI AMALENDU SINHA; (B. JULY 5, 1955),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC.(HONS) APPLIED GEOLOGY -
I.S.M., DHANBAD '74; M.SC. APPLIED GEOLOGY - I.S.M.,
DHANBAD '76; M.SC. TECH. MINERAL EXPLORATION -
I.S.M., DHANBAD '77.

SPECIALIZATIONS : MINERAL EXPLORATION; GEOTECH-
NOLOGY OF OPENCAST AND UNDERGROUND MINES.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, C.M.R.I., 1977-
88; SCIENTIST EI, C.M.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH.
REPORTS - 14.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
11, CONSULTANCY - 11.

6065

SHRI BIRENDRA PRASAD VERMA; (B. SEPTEMBER 15, 1936),

SCIENTIST EI, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING ENGINEERING -
BIHAR '60.

SPECIALIZATIONS : ROOF SUPPORTS IN MINES; ROCK
MECHANICS AND STRATA CONTROL; MINING METHODS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND
SCIENTIST C, C.M.R.I., 1961-87; (ALSO TRAINING & HIGHER
STUDIES IN ROOF BOLTING IN MINES, AUSTRALIA, 1977);
SCIENTIST EI, C.M.R.I. SINCE AUGUST, 1987.

PRESENT ACTIVITIES : R & D IN ROOF SUPPORTS.

LANGUAGES : HINDI, ENGLISH.

VISITED : AUSTRALIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH.
REPORTS - 5, PATENTS TAKEN - 7, PATENTS FILED - 1, PROC-
ESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 4.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEVEL-
OPMENT OF ROOF STITCHING SYSTEM OF SUPPORT, 1980

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 2, APP. RES. - 15, DESIGN - 10.

6066

CAPT(DR) S K VERMA; (B. JUNE 5, 1936),

ASSISTANT SURGEON (EI), CENTRAL MINING RESEARCH IN-
STITUTE, DHANBAD.

QUALIFICATIONS : M.B.B.S. - JABALPUR '64.

SPECIALIZATIONS : GENERAL MEDICINE AND SURGERY.

EXPERIENCE : CAPTAIN, ARMY MEDICAL CORPS., 1964-69;
CHIEF MEDICAL OFFICER, BIRD & CO., 1970; MEDICAL OFFI-
CER (C)/ASSISTANT SURGEON (GR. I) AND SCIENTIST C,
C.M.R.I., 1970-87; SCIENTIST EI, C.M.R.I. SINCE FEBRUARY,
1987.

PRESENT ACTIVITIES : PROFESSIONAL PRACTICE.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : GEN. MEDI-
CINE & SURGERY - 27.

6067

DR MOHAMMAD ABBAS; (B. DECEMBER 31, 1955),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - ALLAHABAD '76; M.SC. AP-
PLIED MATHEMATICS - I.I.T., KANPUR '78; PH.D. AP-
PLIED MATHEMATICS - I.I.T., BOMBAY '83.

SPECIALIZATIONS : MATHEMATICAL MODELLING; COM-
PUTER PROGRAMMING; SYSTEM ADMINISTRATION.

EXPERIENCE : S.R.F., I.I.T., KANPUR, 1979; R.S., S.R.F. AND
S.D.P., I.I.T., BOMBAY, 1979-88; (ALSO POST-DOCTORAL RE-
SEARCH IN BIOMEDICAL MODELLING, U.T.C., FRANCE, 1985-
86); SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : COMPUTER CENTRE ADMINI-
STRATION & MANAGEMENT; COMPUTER PROGRAMMING.

LANGUAGES : URDU, HINDI, ENGLISH.

VISITED : FRANCE, U.K., SPAIN.

PUBLICATIONS & PATENTS : RES. PAPERS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
10, MAINTENANCE - 4, TEACHING - 1, ADMN. - 4, COMPUTER
PROCESSING - 12.

6068

SHRI KALYAN KUMAR ACHARYYA; (B. JULY 17, 1936),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '58.

SPECIALIZATIONS : DUST EXPLOSION.

EXPERIENCE : ASSISTANT TEACHER, HEMNALINI GIRLS' HIGH SCHOOL, 1959-60; S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-80; SCIENTIST C, C.M.R.I. SINCE DECEMBER, 1980.

PRESENT ACTIVITIES : RESEARCH INVESTIGATIONS ON DUST EXPLOSIONS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, TESTING - 28, TEACHING - 1.

6069

SHRI JYOTI PRAKASH ADHIKARI; (B. NOVEMBER 28, 1936),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '57.

SPECIALIZATIONS : ENVIRONMENTAL POLLUTION.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1963-89; SCIENTIST C, C.M.R.I. SINCE JUNE, 1989.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL POLLUTION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, TEACHING - 2.

6070

SHRI A SALAM ANSARI; (B. OCTOBER 9, 1939),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - BIHAR '63.

SPECIALIZATIONS : FLAME-PROOF SCIENCE.

EXPERIENCE : TRAINING ENGINEER, M/S EQUITABLE COAL CO. LTD., DISHERGARH, W. BENGAL, 1963-65; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1965-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH, INVESTIGATION, TESTING AND QUALITY CONTROL IN FLAME-PROOF ELECTRICAL EQUIPMENT.

LANGUAGES : URDU, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - SEVERAL, ARTICLES - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 23, DESIGN - 21, CONSULTANCY - 20, TESTING - 23, QUALITY CONTROL - 22, TECHNO-ECONOMIC SURVEYS - 20, TECH. DEV. - 22, PLANNING - 5, TECHNOLOGY TRANSFER - 20, TEACHING - 2, EDITING - 3.

6071

DR P K ARYA; (B. JUNE 16, 1950),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - AGRA '69; M.SC. ORGANIC CHEMISTRY - AGRA '72, PH.D. MINING ENGINEERING - I.S.M., DHANBAD '90.

SPECIALIZATIONS : BIOLEACHING; BIODEGASIFICATION; ANALYTICAL CHEMISTRY; BIOCHEMISTRY OF COAL EXPLOSIBILITY.

EXPERIENCE : J.R.F., S.S.A. AND SCIENTIST B, C.M.R.I., 1972-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN GEOMICROBIOLOGY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 18, APP. RES. - 13, TESTING - 7, QUALITY CONTROL - 7.

6072

DR L K BANDYOPADHYAY; (B. DECEMBER 16, 1950),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) - BURDWAN '71; M.SC. ELECTRONICS - SAMBALPUR '75; PH.D. MINING AUTOMATION - ACADEMY OF MINING & METALLURGY, KRAKOW, POLAND '84.

SPECIALIZATIONS : APPLICATION OF INFORMATION TECHNOLOGY IN MINING.

EXPERIENCE : RESEARCH FELLOW, C.M.R.I., 1976-79; ASST. GEOPHYSICIST, O.N.G.C., 1979-80; RESEARCH SCHOLAR, KRAKOW, POLAND, 1980-84; LECTURER, I.S.M., DHANBAD, 1985-86; SCIENTIST C, C.M.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : R & D; TEACHING; GEOPHYSICAL INSTRUMENTATION.

VISITED : POLAND

6073

SHRI D N BANERJEE; (B. NOVEMBER 12, 1937),

TECHNICAL OFFICER (C), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6074

SHRI DEB DAS BANERJEE; (B. JULY 5, 1937),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '58; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '82.

SPECIALIZATIONS : FUEL AND GAS ANALYSIS; SAFETY IN COAL MINES.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN SAFETY OF MINES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : ITALY, U.K., W. GERMANY.

AWARDS & DISTINCTIONS : BRONZE MEDAL FOR A RESEARCH PAPER, M M G I, 1971

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 28, TEACHING - 2, CONSULTANCY - 8.

PUBLICATIONS & PATENTS: RES. PAPERS - 10, TECH. REPORTS - 15, ARTICLES - 4.

6075

SHRI ARUN KUMAR BASU; (B. JANUARY 2, 1942),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '61; B.SC.(ENGG) METALLURGY - RANCHI '68; M.TECH. METALLURGY - BURDWAN '71.

SPECIALIZATIONS : MECHANICAL SHAPING OF METALS; APPLIED PHYSICAL METALLURGY; HEAT TREATMENT AND FURNACE DESIGN; ENGINEERING COMPONENTS FAILURE.

EXPERIENCE : TEACHER, S. VIDYALAYA, SEVAYATAN, 1961-62; ENGINEER, DURGAPUR UDYOG KENDRA, DURGAPUR, 1973; S.R.F. (C.S.I.R.), R.E. COLLEGE, DURGAPUR, 1973-75; EXTENSION OFFICER (INDUSTRIES), GOVT. OF W. BENGAL, 1975-76; S.S.A. AND SCIENTIST B, C.M.R.I., 1976-87; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D OF MINING EQUIPMENT & COMPONENTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, ARTICLES - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 13, TEACHING - 7, EXTENSION - 1, DESIGN - 2, PLANNING - 1, TESTING - 10, IND. MGMT. - 1.

6076

SHRI A K BISWAS; (B. JANUARY 4, 1940),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - B.H.U. '59; B.SC. ENGG. CIVIL - RANCHI '63.

SPECIALIZATIONS : ROCK MECHANICS AND GROUND CONTROL.

EXPERIENCE : S.S.A. AND SCIENTIST B, C.M.R.I., 1965-71; SCIENTIST C, C.M.R.I. SINCE APRIL, 1971.

PRESENT ACTIVITIES : INVESTIGATION AND TESTING OF MECHANICAL EQUIPMENT USED IN MINES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, DESIGN - 13, TECHNICAL DEVELOPMENT - 14, CONSULTANCY - 1, TESTING - 12, QUALITY CONTROL - 12, MAINTENANCE - 12.

6077

DR JYOTIRMOY BOSE; (B. MAY 10, 1941),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '59; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '74; PH.D. APPLIED CHEMISTRY - I.S.M. '87.

SPECIALIZATIONS : ENVIRONMENTAL POLLUTION CONTROL AND ASSESSMENT.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 23.

6078

SHRI ASHOKE KUMAR CHAKRABORTY; (B. MAY 28, 1957),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.TECH. MINING ENGINEERING - I.S.M. '79.

SPECIALIZATIONS : ROCK MECHANICS AND TUNNELING.

EXPERIENCE : ASSISTANT MANAGER, ROURKELA STEEL PLANT, ROURKELA, 1979-86; DRILLING EXECUTIVE, MIGMA MINERALS PVT. LTD., CALCUTTA, 1986-88; SCIENTIST B, C.M.R.I., 1988-89; SCIENTIST C, C.M.R.I. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : RESEARCH IN ROCK MECHANICS AND TUNNELING.

LANGUAGES : BENGALI, HINDI, ORIYA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSULTANCY - 1, R & D MGMT. - 2, PRODUCTION - 7.

6079

SHRI M K CHAKRABORTY; (B. JUNE 28, 1960),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6080

SHRI K P CHATTERJEE; (B. FEBRUARY 15, 1936),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '59.

SPECIALIZATIONS : FLAME-PROOF AND DUST-PROOF ELECTRICAL EQUIPMENT.

EXPERIENCE : J.L.A., S.L.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1963-87; SCIENTIST C, C.M.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : INVESTIGATION AND TESTING OF HAZARDOUS LOCATIONS EQUIPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21, TECHNOLOGY TRANSFER - 10, CONSULTANCY - 21, TESTING - 21, QUALITY CONTROL - 10, MAINTENANCE - 21.

6081

SHRI T K CHATTERJEE; (B. OCTOBER 1, 1940),
SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '59.

SPECIALIZATIONS : STRATA CONTROL INVESTIGATIONS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 28, CONSULTANCY - 7.

6082

SHRI SURENDRA PRASAD CHOUDHARY; (B. JANUARY 18, 1944),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - RANCHI '67.

SPECIALIZATIONS : DESIGN AND QUALITY CONTROL OF MINING EQUIPMENT.

EXPERIENCE : J.R.F., C.M.R.I., 1968-71; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1971-82; SCIENTIST C, C.M.R.I. SINCE JULY, 1982.

PRESENT ACTIVITIES : DESIGN, DEVELOPMENT, INVESTIGATION AND QUALITY CONTROL OF MINING AND ALLIED EQUIPMENT; R & D IN HYDRAULIC STOWING.

LANGUAGES : HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 6, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, DESIGN - 10, TECHNICAL DEVELOPMENT - 6, TESTING - 9, QUALITY CONTROL - 9.

6083

SHRI CHAUDURI LAL CHUGH; (B. MARCH 6, 1944),

TECHNICAL OFFICER (C), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : NATIONAL TRADE CERTIFICATE IN REFRIGERATION - I.T.I., NEW DELHI '62.

SPECIALIZATIONS : REFRIGERATION AND AIR CONDITIONING.

EXPERIENCE : J.T.A., S.T.A., J.T.O. AND SCIENTIST B, C.M.R.I., 1965-86; TECHNICAL OFFICER (C), C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : MAINTENANCE AND OPERATION OF REFRIGERATION AND AIR CONDITIONING.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 20, MAINTENANCE - 20.

6084

SHRI B N DALAL; (B. DECEMBER 19, 1936),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '59; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '70.

SPECIALIZATIONS : ENVIRONMENTAL POLLUTION.

EXPERIENCE : LABORATORY ASSISTANT, RAJA SHIVA PRASAD COLLEGE, JHARIA, 1959-60; S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-88; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : RESEARCH AND TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 29, TESTING - 21.

6085

SHRI BISWA NATH DAS; (B. NOVEMBER 4, 1938),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '58; M.SC. MATHEMATICS - RANCHI '78.

SPECIALIZATIONS : ENVIRONMENTAL POLLUTION; MINE VENTILATION.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1962-87; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 26.

6086

SHRI S K DAS; (B. DECEMBER 22, 1946),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '66; B.SC.(ENGG) ELECTRICAL - CALCUTTA '73.

SPECIALIZATIONS : HAZARDOUS LOCATION ELECTRICAL EQUIPMENT.

EXPERIENCE : J.R.F., S.S.A. AND SCIENTIST B, C.M.R.I., 1974-87; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH AND TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 11.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, DESIGN - 11, CONSULTANCY - 11, TESTING - 11.

6087

SHRI AMITAVA DASGUPTA; (B. MAY 8, 1941),
SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : LICENTIATE IN MINING ENGINEERING
- W. BENGAL '60.

SPECIALIZATIONS : MINING EQUIPMENT.

EXPERIENCE : FIELD ASSISTANT, S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1961-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D; DESIGN AND DEVELOPMENT OF MINING EQUIPMENTS & TESTING OF ROOF SUPPORT EQUIPMENTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, DESIGN - 2, TESTING - 15.

6088

SHRI P K DATTA; (B. OCTOBER 1, 1935),
SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD

QUALIFICATIONS : B.SC. - CALCUTTA '58.

SPECIALIZATIONS : RESPIRATORY PHYSIOLOGY; WORK PHYSIOLOGY.

EXPERIENCE : J.L.A., S.L.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-81; SCIENTIST C, C.M.R.I. SINCE JULY, 1981.

PRESENT ACTIVITIES : RESEARCH IN INDUSTRIAL PHYSIOLOGY AND ERGONOMICS & TESTING OF ROOF SUPPORT EQUIPMENTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28.

6089

SHRI B K DUBEY; (B. FEBRUARY 2, 1940),
SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '63.

SPECIALIZATIONS : LONGWALL MINING.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 30.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, R & D MGMT. - 10.

6090

SHRI A K DUTTA; (B. JANUARY 3, 1940),
SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : LICENTIATE IN MECHANICAL ENGINEERING - W. BENGAL '63.

SPECIALIZATIONS : MINING EQUIPMENT.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1965-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D; DESIGN AND DEVELOPMENT OF MINING EQUIPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS TAKEN - 2, PATENTS FILED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 23, DESIGN - 12, TECHNICAL DEVELOPMENT - 12, TESTING - 23, QUALITY CONTROL - 23.

6091

SHRI H P DUTTA; (B. SEPTEMBER 27, 1940),
SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '62; OVERMAN CERTIFICATE OF COMPETENCY - D.G.M.S., BIHAR '64.

SPECIALIZATIONS : MINE VENTILATION.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-87; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH AND FIELD INVESTIGATIONS IN MINES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, TESTING - 13.

6092

SHRI HIRENDRA KUMAR GANGULY; (B. FEBRUARY 1, 1936),
SCIENTIST CI, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '55; B.A. (SPECIAL) - CALCUTTA '65.

SPECIALIZATIONS : INDUSTRIAL LIAISON; PUBLIC RELATIONS AND PUBLICITY; TECHNOLOGY TRANSFER.

EXPERIENCE : U.D.C., OFFICE OF THE ACCOUNTANT GENERAL, BIHAR, 1956-59; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1959-84; SCIENTIST C, C.M.R.I. SINCE AUGUST, 1984.

PRESENT ACTIVITIES : INDUSTRIAL LIAISON; PUBLIC RELATIONS AND PUBLICITY; TECHNOLOGY TRANSFER.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11, TECHNOLOGY TRANSFER - 11, LIAISON, PUBLIC RELATIONS AND PUBLICITY - 19.

6093

SHRI L D GEHI; (B. JUNE 3, 1961),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6094

SHRI BANESWAR GHARA; (B. DECEMBER 1, 1940),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MECHANICAL AND ELECTRICAL ENGINEERING - B.O.A.T., W. BENGAL '64; ADVANCED DIPLOMA IN MINING ELECTRONICS AND TELECOMMUNICATION ENGINEERING - I.S.M. '79.

SPECIALIZATIONS : NON-DESTRUCTIVE EVALUATION OF ELECTRICAL EQUIPMENT.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., DHANBAD, 1965-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D; TESTING AND INVESTIGATION OF WIRE ROPES, CABLES AND ELECTRICAL EQUIPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, PATENTS TAKEN - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, DESIGN - 22, TESTING - 22.

6095

SHRI RAJNISH KUMAR GOEL; (B. JUNE 15, 1960),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - LUCKNOW '78; M.TECH. APPLIED GEOLOGY - ROORKEE '82.

SPECIALIZATIONS : ROCK MECHANICS; SOIL MECHANICS; ENGINEERING GEOLOGY; HYDROGEOLOGY; INSTRUMENTATION IN TUNNELS AND CAVERNS.

EXPERIENCE : S.R.F. AND SCIENTIST B, C.M.R.I., 1982-88; SCIENTIST C, C.M.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : R & D IN ROCK MECHANICS AND ENGINEERING GEOLOGY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 10.

AWARDS & DISTINCTIONS : SMT INDIRA JOSHI AWARD FOR BEST PAPER, INDIAN GEOTECHNICAL SOCIETY, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. & CONSULTANCY - 6.

6096

SHRI M S GOLAY; (B. SEPTEMBER 11, 1935),

SCIENTIST CI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : R.M.T. MEDICAL TECHNOLOGY - I.S.C.T., U S A '68; B.SC. MEDICAL LABORATORY TECHNOLOGY - P.G.I., CHANDIGARH '74; DIPLOMA IN PUBLIC HEALTH AND HYGIENE - I.P.H. & HYG., DELHI '80; INDO-DUTCH COURSE (ECO-TOXICOLOGY) - I.T.R.C., LUCKNOW '88.

SPECIALIZATIONS : MICROBIOLOGY; CLINICAL PATHOLOGY; HAEMATOLOGY; PUBLIC HEALTH.

EXPERIENCE : J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1966-86; SCIENTIST CI, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : INVESTIGATIONS OF MINERS HEALTH PROBLEMS THROUGH HEALTH SURVEYS; ESTABLISHMENT OF AN ECO-TOXICOLOGY LABORATORY.

LANGUAGES : HINDI, PUNJABI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 59, TECH. REPORTS - 4.

AWARDS & DISTINCTIONS : COMMENDABLE SERVICE CERTIFICATE ON WHO DAY, IMA, 1980; GLAXO KIT MERIT CERTIFICATE, 1982; AWASTHY MEMORIAL AWARD, IMTA, 1983 AND 1984.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 22, R & D MGMT. - 22.

6097

DR(MRS) ASHA GUPTA; (B. JULY 22, 1948),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : M.SC. INORGANIC CHEMISTRY - KANPUR '72; PH.D. CHEMISTRY - I.S.M., DHANBAD '81.

SPECIALIZATIONS : BIOLEACHING; BIODEGASIFICATION; ANALYTICAL CHEMISTRY; BIOCHEMISTRY.

EXPERIENCE : J.R.F., S.S.A. AND SCIENTIST B, C.M.R.I., 1973-86; SCIENTIST C, C.M.R.I. SINCE JUNE, 1986; (ALSO RESEARCH ON BIOTECHNOLOGY, U S A, 1987-88).

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 26, PROCESSES DEVELOPED - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 17, APP. RES. - 17.

6098

SHRI PREM KUMAR GUPTA; (B. APRIL 15, 1951),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - KANPUR '73; M.SC. APPLIED GEOLOGY - ROORKEE '76; M.TECH. CIVIL ENGINEERING - I.I.T., KANPUR '78.

SPECIALIZATIONS : HYDROLOGY; REMOTE SENSING; GEOMORPHOLOGY; GLACIOLOGY.

EXPERIENCE : J.R.F., I.I.T., KANPUR, 1977-78; RESEARCH FELLOW, UNIVERSITY OF ROORKEE, 1978-79; S.S.A., C.S.I.R., NEW DELHI, 1979-81; ASSISTANT PROJECT SCIENTIST, I.I.T., BOMBAY, 1981-86; SCIENTIST C, C.M.R.I. SINCE JANUARY, 1987.

PRESENT ACTIVITIES : RESEARCH IN MINING HYDROLOGY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 24, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, SURVEY OF NATURAL RESOURCES - 6, EDITING - 6, TEACHING & TRAINING TO INSERVICE RESOURCE SCIENTIST - 4.

6099

SHRI S M GUPTA; (B. JANUARY 4, 1943),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - BIHAR '61.

SPECIALIZATIONS : CIVIL CONSTRUCTION AND MAINTENANCE.

EXPERIENCE : JUNIOR SUPERVISOR, BOKARO STEEL PROJECT, BOKARO, 1962-63; MINE SURVEYOR, S.T.A., SCIENTIST A AND TECHNICAL OFFICER B, C.M.R.I., 1964-88; SCIENTIST C, C.M.R.I. SINCE JUNE, 1988.

PRESENT ACTIVITIES : CONSTRUCTION AND MAINTENANCE OF WATER SUPPLY, HORTICULTURE AND R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 26, MAINTENANCE - 26.

6100

SHRI SUBIR KUMAR GUPTA; (B. JULY 5, 1945),

SCIENTIST CI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BURDWAN '64; ASSOCIATESHIP IN DOCUMENTATION & REPROGRAPHY - INSDOC, NEW DELHI '75.

SPECIALIZATIONS : INFORMATION SCIENCE; PUBLICATION, PUBLICITY & PUBLIC RELATIONS

EXPERIENCE : J.L.A. AND S.L.A., C.M.R.I., 1965-69; SCIENTIFIC ASSISTANT, ATOMIC MINERAL DIVISION (ON DEPUTATION), 1969-70; S.T.A., SCIENTIST AI AND SCIENTIST BI, C.M.R.I., DHANBAD, 1970-89; (ALSO PROFESSIONAL COURSE IN MASS COMMUNICATION, I.I.M.C., NEW DELHI, 1972); SCIENTIST CI, C.M.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : INFORMATION DISSEMINATION, PUBLICATION, PUBLICITY AND PUBLIC RELATIONS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 11, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, INFORMATION & LIAISON - 9; PUBLICATION & PUBLICITY - 11.

6101

DR R J JAISWAL; (B. JUNE 25, 1947),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - RANCHI '69; M.SC. CHEMISTRY - RANCHI '72; PH.D. CHEMISTRY - RANCHI '80, M.TECH. (ELECTRONICS & INSTRUMENTATION), INDIAN SCHOOL OF MINES '89.

SPECIALIZATIONS : TRANSDUCERS; MINING ELECTRONIC EQUIPMENT; COMPUTER/ MICROPROCESSOR-BASED SYSTEMS AND SOFTWARE DEVELOPMENT.

EXPERIENCE : LECTURER, P.K. ROY MEMORIAL COLLEGE, DHANBAD, 1972-73; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1973-86; (ALSO PRACTICAL TRAINING - ON ELECTRONIC EQUIPMENT FOR MONITORING OF COAL MINING ENVIRONMENTAL PARAMETERS, POLAND, 1980); SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986; (ALSO TRAINING IN ADVANCE ELECTRONICS I.D.M.E., BOMBAY, 1987 AND COURSE ON EXPERT SYSTEM AND ARTIFICIAL INTELLIGENCE, JADAVPUR UNIVERSITY, CALCUTTA, 1990).

PRESENT ACTIVITIES : R & D ON MINING INSTRUMENTATION.

LANGUAGES : HINDI, ENGLISH.

VISITED : POLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 16, APP. RES. - 16, DESIGN - 16, R & D MGMT. - 5, TESTING - 4, TEACHING - 1.

6102

SHRI SURENDRA NATH KARWANYUN; (B. JUNE 29, 1936),

SCIENTIST CI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - RAJASTHAN '56.

EXPERIENCE : SCIENTIST BI, C.M.R.I. 1982-89; SCIENTIST CI, C.M.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : TECHNICAL.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : PLANNING - 19, ADMN. - 7.

6103

SHRI BIJAY KUMAR; (B. JULY 15, 1956),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - MAGADH '75; M.SC. MATHEMATICS - MAGADH '78.

SPECIALIZATIONS : MINE SUBSIDENCE.

EXPERIENCE : LECTURER IN MATHEMATICS, MARKHAM COLLEGE OF COMMERCE, HAZARIBAGH, 1980-81; J.R.F. AND

SCIENTIST B, C.M.R.I. 1981-87; SCIENTIST C, C.M.R.I. SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : RESEARCH IN MINE SUBSIDENCE.

LANGUAGES : HINDI, ENGLISH.

VISITED : SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 5.

AWARDS & DISTINCTIONS : SILVER MEDAL FOR BEST RESEARCH PAPER, MMGI, 1983-84.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 9, CONSULTANCY - 25, TEACHING - HALF, COMPUTER PROCESSING - 7.

6104

DR SUDHIR KUMAR; (B. OCTOBER 10, 1946),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : M.SC. PHYSICS - RANCHI '68; PH.D. ELECTRONICS '85.

SPECIALIZATIONS : INSTRUMENTATION.

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1973-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : INSTRUMENTATION.

LANGUAGES : HINDI, SANSKRIT, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 15.

6105

SHRI G LAKSHMINARAYANAN; (B. SEPTEMBER 7, 1943),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - MADRAS '63.

SPECIALIZATIONS : WIRE ROPES; ELECTRICAL INSTRUMENTATION; MINING MACHINERY.

EXPERIENCE : L.M.O., MADRAS STATE ELECTRICITY BOARD, 1963-64; GRADUATE APPRENTICE, C.E.C.R.I., 1964-65; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1965-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN MINE CABLES.

LANGUAGES : TAMIL, HINDI, MALAYALAM, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 1, PATENTS TAKEN - 2.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 23, DESIGN - 23, TESTING - 23.

6106

SHRI MOHAN LAL MAHATO; (B. JANUARY 5, 1938),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '59; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '82.

SPECIALIZATIONS : DETECTOR TUBES FOR DETECTION AND ESTIMATION OF TOXIC GASES; MINE FIRES; ANALYSIS AND TREATMENT OF MINE WATER; AMBIENT AIR MONITORING AND ANALYSIS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF DETECTOR TUBES, AMBIENT AIR MONITORING, CHEMICAL ANALYSIS OF MINE WATER AND TREATMENT.

LANGUAGES : HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 27, APP. RES. - 27.

6107

SHRI AWADHES MAHTO; (B. JULY 1, 1949),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. ENGG. METALLURGY - RANCHI '72.

SPECIALIZATIONS : MECHANICAL PROPERTIES OF METALS; HEAT TREATMENT OF METALS; METALLOGRAPHY; CHEMICAL ANALYSIS OF METALS.

EXPERIENCE : J.R.F., S.R.F., S.S.A. AND SCIENTIST B, C.M.R.I., 1973-88; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : RESEARCH, TESTING AND QUALITY CONTROL.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 14, PILOT PLANT - 3, TESTING - 11, QUALITY CONTROL - 11.

6108

SHRI SIB NATH MAITY; (B. DECEMBER 1, 1959),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.E. MINING - CALCUTTA '81.

SPECIALIZATIONS : LONGWALL SYSTEM INSTALLATION; EQUIPMENT DESIGN FOR COAL MINES.

EXPERIENCE : JUNIOR MANAGER, SAIL, 1982-83; ASSTT. ENGINEER, MINING & ALLIED MACHINERY CORPORATION, DURGAPUR, 1983-87; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ORIYA, ENGLISH, GERMAN, RUSSIAN.

PUBLICATIONS & PATENTS : TECH. REPORTS - 5, PATENT - 1.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 1, DESIGN - 1, CONSULTANCY - 3, SALES MARKETING - 4, CONSTRUCTION - 4, MAINTENANCE - 4, PRODUCTION - 2.

6109

SHRI KRISHNA NARAYAN MANDAL; (B. JULY 4, 1935),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '56; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '74.

SPECIALIZATIONS : DETECTOR TUBES FOR DETECTION AND ESTIMATION OF TOXIC GASES; MINE FIRES; ANALYSIS AND TREATMENT OF MINE WATER.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF GAS DETECTOR TUBES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 27, APP. RES. - 27.

6110

SHRI BIDYA NAND MISHRA; (B. JANUARY 1, 1942),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '61; OVERMAN'S CERTIFICATE OF COMPETENCY - D.G.M.S., DHANBAD '63.

SPECIALIZATIONS : SUPPORT SYSTEMS FOR MINE ROADWAYS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3.

AWARDS & DISTINCTIONS : NRDC AWARD FOR ROOF STITCHING, 1980; SILVER MEDAL FOR A RESEARCH PAPER, MGMI, 1975.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, DESIGN - 24.

6111

SHRI NALIN MONDAL; (B. MARCH 5, 1944),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BIHAR '64.

SPECIALIZATIONS : WIRE ROPES; MATERIALS TESTING.

EXPERIENCE : J.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, DESIGN - 2, TECHNICAL DEVELOPMENT - 5, CONSULTANCY - 3, TESTING - 23, QUALITY CONTROL - 23, MAINTENANCE - 23, PLANNING - 5.

6112

SHRI MD NABIULLAH; (B. JANUARY 22, 1953),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - GORAKHPUR '70; M.SC. CHEMISTRY - GORAKHPUR '72.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY.

EXPERIENCE : J.R.F., S.R.F., S.S.A., AND SCIENTIST B, C.M.R.I., 1973-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : URDU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 40, PATENTS FILED - 1, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 15, DESIGN - 10, TECH. DEVELOPMENT - 8, TESTING - 10, QUALITY CONTROL - 10.

6113

SHRI P KUNHUNNY NAIR; (B. OCTOBER 21, 1939),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - KERALA '59.

SPECIALIZATIONS : AIR POLLUTION MONITORING AND CONTROL; ELECTRON MICROSCOPY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN AIR POLLUTION MONITORING AND CONTROL.

LANGUAGES : MALAYALAM, HINDI, TAMIL, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TEACH. REPORTS - 20, ARTICLES - 1, PATENTS TAKEN - 2, PATENTS FILED - 2, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEVELOPMENT OF A SAFETY DEVICE, 1979; CASH AWARD, N C T D, BOMBAY, 1985.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, BASIC RES. - 6, DESIGN - 4, TEACHING - 1, CONSULTANCY - 20.

6114

SHRI BAIJ NATH PANDEY; (B. FEBRUARY 1, 1940),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '62; SURVEYORS CERTIFICATE OF COMPETENCY - DEPT. OF MINES, BIHAR '64.

SPECIALIZATIONS : MINE SUBSIDENCE; MINE SURVEYING.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN MINE SUBSIDENCE.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 50.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, CONSULTANCY - 10.

6115

SHRI A J PRAKASH; (B. AUGUST 1, 1947),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : M.SC. PHYSICS - RANCHI '68; PH.D. APPLIED GEOPHYSICS - INDIAN SCHOOL OF MINES, DHANBAD '84.

SPECIALIZATIONS : SOFTWARE DEVELOPMENT TO MEASURE VIBRATION AND NOISE/ AIR PRESSURE BY BLASTING; MODERN TECHNIQUES OF ROCK BLASTING AND CONTROLLED BLASTING; INSTALLATION AND CALIBRATION OF SOPHISTICATED INSTRUMENTS USED IN BLASTING.

EXPERIENCE : LECTURER, P.K.R. MEMORIAL COLLEGE, DHANBAD, 1969-73; J.R.F., S.S.A. SCIENTIST B, C.M.R.I., 1973-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 85, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 19, DESIGN - 6, TEACHING - 4.

6116

SHRI L M PRASAD; (B. JANUARY 16, 1941),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING ENGINEERING - BIHAR '62.

SPECIALIZATIONS : MINE SUPPORTS DESIGN.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1969-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, PATENTS TAKEN - 2.

AWARDS & DISTINCTIONS : NRDC AWARD ON ROOF STITCHING TECHNIQUES, 1980; NRDC AWARD ON QUICK SETTING CLAMP, 1981; SILVER MEDAL, MMGI, 1977; NRDC AWARD FOR DEVELOPMENT OF QUICK SETTING TRIANGULAR STEEL CHOCK & SCREW PROP, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN AND PLANNING - 24.

6117

SHRI LALLAN PRASAD; (B. JANUARY 12, 1943),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '62; B.TECH. MINING ENGINEERING - I.S.M. '81.

SPECIALIZATIONS : DESIGN OF SUPPORTS; ROCK MECHANICS AND GROUND CONTROL.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-86; SCIENTIST C, C.M.R.I. SINCE JULY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - OVER 20, ARTICLES - 1.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEVELOPMENT OF NEW SUPPORTS, 1980.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, CONSULTANCY - 24.

6118

SHRI RAJESHWAR PRASAD; (B. DECEMBER 30, 1941),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '63; B.TECH. (HONS.) MINING ENGINEERING - I.S.M., DHANBAD '80.

SPECIALIZATIONS : ROCK MECHANICS AND GROUND CONTROL; MINE SUPPORTS DESIGN

EXPERIENCE : MINING APPRENTICE, COAL COMPANY, 1959-64; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN LONGWALL MINING METHOD.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 1

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24.

6119

SHRI S N PRASAD; (B. JULY 27, 1939),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '63.

SPECIALIZATIONS : LOAD ON UNDERGROUND SUPPORT AND MINE SUBSIDENCE.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-87; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22.

6120

SHRI M A RAFIQUI; (B. JANUARY 1, 1941),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '62.

SPECIALIZATIONS : STRATA CONTROL IN COAL MINING; EQUIVALENT MATERIAL MINE MODELLING.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1963-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH; CONSULTANCY.

LANGUAGES : URDU, HINDI, PERSIAN, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 12, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : SILVER MEDAL, MMGI, 1969-70.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 27, CONSULTANCY - 4 MONTHS.

6121

SHRI NEYAZ AHMAD RASHIDI; (B. JANUARY 19, 1937),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '58; TRAINING IN ELECTRON MICROSCOPY - I.I.T., KHARAGPUR; A.A.S. - BARC; AIR-POLLUTION CONTROL - W.H.O. PROGRAM, BOMBAY.

SPECIALIZATIONS : ENVIRONMENTAL POLLUTION; ANALYTICAL CHEMISTRY.

EXPERIENCE : LABORATORY ASSISTANT, COLLEGE OF COMMERCE, PATNA, 1958-62; S.L.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1962-87; SCIENTIST C, C.M.R.I. SINCE OCTOBER, 1987. (ALSO TRAINING IN ELECTRON MICROSCOPY, I.I.T., KHARAGPUR AND AIR POLLUTION CONTROL UNDER WHO PROGRAMME, BARC, BOMBAY.

PRESENT ACTIVITIES : R & D.

LANGUAGES : URDU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 25.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, TEACHING - 4.

6122

SHRI S K RITOLIA; (B. JULY 5, 1949),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. ENGG. MECHANICAL - RANCHI '73.

SPECIALIZATIONS : AUTOMOBILE ENGINEERING; HEAT TRANSFER; MATERIALS EVALUATION TECHNOLOGY; WIRE ROPES AND MINE CAGE GEAR COMPONENTS.

EXPERIENCE : J.R.F., S.R.F., S.S.A. AND SCIENTIST B, C.M.R.I., 1973-88; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN QUALITY ASSURANCE OF MATERIALS.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 50.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TESTING - 9, QUALITY CONTROL - 9, PLANNING - 3.

6123

SHRI SATYA PADA SAHA; (B. DECEMBER 12, 1941),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BIHAR '64.

SPECIALIZATIONS : FLAME-PROOF ELECTRICAL EQUIPMENT; SAFETY FITTINGS; DUST TIGHT/DUST PROOF FITTINGS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1965-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D AND TESTING OF FIRE-PROOF EQUIPMENTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, DESIGN - 5, CONSULTANCY - 5, R & D MGMT. - 5, TESTING - 15, QUALITY CONTROL - 15.

6124

SHRI RAMA SAHU; (B. JANUARY 8, 1939),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - RANCHI '61.

SPECIALIZATIONS : SUPPORT SYSTEMS FOR MINE ROADWAYS.

EXPERIENCE : J.L.A., S.L.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1963-87; SCIENTIST C, C.M.R.I. SINCE AUGUST, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEVELOPMENT OF ROOF STITCHING METHOD OF SUPPORT, 1980.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25.

6125

SHRI G S SAINI; (B. OCTOBER 22, 1953),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - MEERUT '75; M.TECH. APPLIED GEOLOGY - ROORKEE '79.

SPECIALIZATIONS : ENGINEERING GEOLOGY; ROCK MECHANICS.

EXPERIENCE : S.S.A. AND SCIENTIST B, C.M.R.I., 1980-87; SCIENTIST C, C.M.R.I. SINCE JULY, 1987.

PRESENT ACTIVITIES : ROCK MECHANICS AND INSTRUMENTATION.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 8, CONSULTANCY - 8.

6126

SHRI N K SARKAR; (B. JANUARY 8, 1942),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6127

SHRI S K SARKAR; (B. JULY 5, 1936),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '58.

SPECIALIZATIONS : GAS EMISSION AND CONTROL.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 52.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 9, APP. RES. - 18, DESIGN - 2, CONSULTANCY - 7.

6128

SHRI SAMIR KUMAR SENGUPTA; (B. JANUARY 29, 1938),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '60.

SPECIALIZATIONS : EXPLOSION HAZARDS IN COAL MINES.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : INVESTIGATION ON COAL AND INDUSTRY DUSTS EXPLOSION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27, TESTING - 27.

6129

SHRI AVNISH SHARMA; (B. JANUARY 5, 1958),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.TECH. MINING ENGINEERING - I.S.M. '81.

SPECIALIZATIONS : MINE FIRE AND VENTILATION; OPENCAST MINING; MINE PLANNING.

EXPERIENCE : SALES OFFICER, INGERSOLL RAND (INDIA) LTD., 1981; ASSISTANT MANAGER, COAL INDIA LTD., 1981-87; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN MINE FIRE AND VENTILATION; COMPUTER MODELLING IN MINE DESIGN.

LANGUAGES : PUNJABI, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 2, SALES MARKETING & COMPUTER PROCESSING - 1.

6130

SHRI DHANESH SHARMA; (B. JANUARY 18, 1942),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '63.

SPECIALIZATIONS : SUPPORT SYSTEMS FOR MINE ROADWAYS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEVELOPMENT OF ROOF STITCHING METHOD.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, DESIGN - 9, TECHNICAL DEV. - 9.

6131

SHRI K B SINGH; (B. MAY 7, 1957),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - B.H.U. '78; M.SC. GEOLOGY - B.H.U. '80.

SPECIALIZATIONS : METAMORPHIC PETROLOGY; MINE SUBSIDENCE; PETROFABRICS IN STRATA CONTROL.

EXPERIENCE : J.R.F. AND SCIENTIST B, C.M.R.I., 1981-87; SCIENTIST C, C.M.R.I. C.M.R.I. SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : RESEARCH IN COAL MINE SUBSIDENCE; ANALYSIS OF PETROFABRICS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, CONSULTANCY - 5.

6132

SHRI K P SINGH; (B. JULY 2, 1943),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '62.

SPECIALIZATIONS : HYDRAULIC STOWING IN MINES.

EXPERIENCE : S.L.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-87; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH, PLANNING AND ADVICE TO MINING INDUSTRY ON HYDRAULIC STOWING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 16.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, DESIGN - 5, PILOT PLANT - 2, CONSULTANCY - 9.

6133

SHRI R V K SINGH; (B. JANUARY 2, 1940),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '63.

SPECIALIZATIONS : ROCK MECHANICS; COMPUTER SCIENCE; INDUSTRIAL LIAISON.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : INDUSTRIAL LIAISON.

LANGUAGES : HINDI, BENGALI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 23, COMPUTER PROCESSING - 2, INDUSTRIAL LIAISON - 3.

6134

SHRI RAGHAVENDRA SINGH; (B. APRIL 7, 1939),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '59.

SPECIALIZATIONS : NON-DESTRUCTIVE TESTING TECHNOLOGY; QUALITY CONTROL.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1963-87; (ALSO POST GRADUATE TRAINING IN RADIOLOGICAL PHYSICS, B.A.R.C., BOMBAY, 1968-69; COURSE IN TESTING AND INSPECTION OF CASTINGS &

FORGINGS, N.I.F.F.T., RANCHI 1971); SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : NON-DESTRUCTIVE INVESTIGATION AND EVALUATION OF COMPONENTS.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 100, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, TECH. DEV. - 16, CONSULTANCY - 5, TESTING - 25, QUALITY CONTROL - 20, PLANNING - 5.

6135

SHRI S K SINGH; (B. FEBRUARY 5, 1961),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6136

SHRI TARA NAND SINGH; (B. JANUARY 2, 1939),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '63; B.TECH. (HONS.) MINING - I.S.M., DHANBAD '80; FIRST CLASS MINE MANAGER'S CERTIFICATE OF COMPETENCY - GOVERNMENT OF INDIA '81; SURVEYER'S CERTIFICATE OF COMPETENCY - GOVT. OF INDIA; M.TECH. MINING ENGINEERING - I.S.M.; LL.B. - RANCHI.

SPECIALIZATIONS : MINING METHODS AND GROUND CONTROL.

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-79; SCIENTIST C, C.M.R.I. SINCE APRIL, 1979.

PRESENT ACTIVITIES : RESEARCH IN ROCK MECHANICS, 3-DIMENSIONAL MINE MODELLING AND PILLAR DESIGN.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 30, ARTICLES - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 24, APP. RES. - 19, CONSULTANCY - 10, TEACHING - 3.

6137

SHRI V K SINGH; (B. JANUARY 31, 1957),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) GEOLOGY - B.H.U. '78; M.SC. GEOLOGY - B.H.U. '80.

SPECIALIZATIONS : MINE MODELLING.

EXPERIENCE : SCIENTIST B, C.M.R.I. 1982-87; SCIENTIST C, C.M.R.I. SINCE NOVEMBER 1987.

PRESENT ACTIVITIES : RESEARCH IN MINE MODEL TECHNIQUES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 5, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 6, CONSULTANCY - 2.

6138

DR VIRENDRA KUMAR SINGH; (B. JULY 1, 1959),
SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - B.H.U. '78; M.SC. GEOLOGY -
B.H.U. '80; PH.D. MINING GEOLOGY - B.H.U. '93.

SPECIALIZATIONS : STRUCTURAL GEOLOGY; SLOPE
STABILITY; MONITORING OF COAL & NON-COAL OPEN PIT
MINES.

EXPERIENCE : J.R.F. AND SCIENTIST B, C.M.R.I., 1982-88;
SCIENTIST C, C.M.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : R & D IN SLOPE STABILITY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH.
REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
7, DESIGN - 7, CONSULTANCY - 7, TESTING - 7, TECHNO-ECO-
NOMIC SURVEYS - 7, PLANNING - 7.

6139

DR ALIND KUMAR SINHA; (B. SEPTEMBER 23,
1949),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - PATNA '68;
M.SC. CHEMISTRY - PATNA '70; D.PHIL. ELECTROCHEM-
ISTRY - PATNA '77.

SPECIALIZATIONS : ELECTROCHEMISTRY;
TRANSDUCER INSTRUMENTATION; COAL CHEMISTRY.

EXPERIENCE : LECTURER, PATNA UNIVERSITY, PATNA,
1973; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1973-86;
(ALSO STUDY IN SENSING TRANSDUCERS FOR MEASURE-
MENT AND CONTROL IN CHEMICAL AND MINING INDUSTRY,
CZECHOSLOVAK ACADEMY OF SCIENCES, CZECHOSLOVA-
KIA, 1979-80); SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN COAL MINES INSTRU-
MENTATION.

LANGUAGES : HINDI, ENGLISH.

VISITED : CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 14.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 2, APP. RES. - 15, TEACHING - 1.

6140

SHRI INDRAJIT SINHA; (B. JUNE 15, 1940),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SUR-
VEYING - BIHAR '63.

SPECIALIZATIONS : MINING ENGINEERING; PUBLIC RE-
LATIONS.

EXPERIENCE : J.L.A., S.L.A., S.T.A., SCIENTIST A AND SCI-
ENTIST B, C.M.R.I., 1966-87; SCIENTIST C, C.M.R.I. SINCE SEP-
TEMBER, 1987.

PRESENT ACTIVITIES : TECHNOLOGY TRANSFER.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : LIAISON
16.

6141

SHRI RAGHURAJ SINHA; (B. JANUARY 4, 1939),
SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SUR-
VEYING - BIHAR '62; MINE MATESHIP EXAMINATION -
DEPTT. OF MINES, GOVT. OF INDIA '64.

SPECIALIZATIONS : MINE SUBSIDENCE; MINING AND
MINE SURVEYING.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCI-
ENTIST B, C.M.R.I., 1964-87; SCIENTIST C, C.M.R.I. SINCE AU-
GUST, 1987.

PRESENT ACTIVITIES : FIELD OBSERVATIONS AND COM-
PUTATION.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH.
REPORTS - 50.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
23, CONSULTANCY - 10.

6142

SHRI S P SINHA; (B. JANUARY 14, 1941),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SUR-
VEYING - BIHAR '61; OVERMAN'S CERTIFICATE OF
COMPETENCY - CHIEF INSPECTOR OF MINES, DHANBAD
'64.

SPECIALIZATIONS : SUPPORT SYSTEMS FOR MINE ROAD-
WAYS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST
B, C.M.R.I., 1964-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY,
1986.

PRESENT ACTIVITIES : R & D ON SUPPORT SYSTEM FOR
MINE ROADWAYS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, PATENTS
TAKEN - 1, PROCESSES DEVELOPED - 6, PROCESSES UNDER
UTILISATION - 6.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEVEL-
OPMENT OF ROOF STITCHING METHOD OF SUPPORT, 1980;
NRDC AWARD FOR DEVELOPMENT OF QUICK SETTING TRI-
ANGULAR STEEL CHOCK & SCREW PROP, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
24, DESIGN - 24.

6143

SHRI D P TARAFDAR; (B. FEBRUARY 24, 1937),
SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '58; DIPLOMA IN
MINING - BIHAR '63; B.TECH. MINING - I.S.M. '85.

SPECIALIZATIONS : ENVIRONMENTAL SCIENCE; MINE FIRES.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1960-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : REMOTE FILLING FOR COMBATING MINE FIRES & CONTROL OF MINE FIRES; RESEARCH ON ENVIRONMENTAL CONTROL AND CONSERVATION OF COAL.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., TECH. DEVELOPMENT, CONSULTANCY - 16, (TOTAL: 31 YEARS).

6144

DR B K TEWARY; (B. JUNE 17, 1953),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) BOTANY - PATNA '74; POSTGRADUATE DIPLOMA IN RESOURCES ECOLOGY - B.H.U. '74; M.SC. ENVIRONMENTAL SCIENCE - J.N.U. '78; M.PHIL. ENVIRONMENTAL SCIENCE - J.N.U. '79; PH.D. ENVIRONMENTAL SCIENCE - J.N.U. '83.

SPECIALIZATIONS : ENVIRONMENTAL SCIENCE; ENVIRONMENTAL MANAGEMENT AND MONITORING; MICROBIAL ECOLOGY AND TOXICOLOGY; LAND RECLAMATION AND ECODEVELOPMENT.

EXPERIENCE : J.R.F. AND S.R.F., J.N.U., NEW DELHI, 1978-83; RESEARCH ASSOCIATE, C.M.R.I., 1983-86; SCIENTIST C, C.M.R.I. SINCE DECEMBER, 1986. (ALSO POST DOCTORATE TRAINING IN MINE ENVIRONMENT, INSTITUTE OF OCCUPATIONAL MEDICINE, EDINBURG, U.K., 1989.

PRESENT ACTIVITIES : ENVIRONMENTAL MONITORING AND MANAGEMENT.

LANGUAGES : HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 6, CONSULTANCY - 4, R & D MGMT. - 2, TESTING - 2, COMPUTER PROCESSING - 2, MAINTENANCE - 3.

6145

SHRI SHIVADHAR TIWARY; (B. FEBRUARY 15, 1941),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '61; ADVANCED DIPLOMA IN MINE SURVEYING - I.S.M. '81; A.I.S.M. MINE SURVEYING - I.S.M. '81; M.I.S. MINE SURVEYING - INST. OF SURVEYING, NEW DELHI.

SPECIALIZATIONS : MINE SUBSIDENCE; GROUND CONTROL MEASURES.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1964-86; SCIENTIST C, C.M.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, PRODUCTION - 2.

6146

SHRI S M VERMA; (B. OCTOBER 1, 1941),

SCIENTIST C, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '63.

SPECIALIZATIONS : MINE VENTILATION.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.R.I., 1966-86; SCIENTIST C, C.M.R.I. SINCE APRIL, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, CONSULTANCY - 2, TESTING - 5.

6147

DR REHANA ABIDI; (B. AUGUST 15, 1956),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6148

SHRI ISHTIAQUE AHMED; (B. JANUARY 2, 1959),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : M.SC. ORGANIC CHEMISTRY - A.M.U. '81.

SPECIALIZATIONS : ORGANIC CHEMISTRY; DEVELOPMENT AND APPLICATION OF SEALANT; SPONTANEOUS COMBUSTION AND MINE FIRES.

EXPERIENCE : J.R.F. AND S.R.F., C.M.R.I., 1983-89; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : HINDI, ENGLISH, URDU.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 8.

6149

SHRI K L BANDYOPADHYAY; (B. DECEMBER 6, 1944),

SCIENTIST BI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BURDWAN '65; POSTGRADUATE DIPLOMA IN JOURNALISM - I.I.M.C., NEW DELHI '76.

SPECIALIZATIONS : SCIENCE EDITING; SCIENCE WRITING; INFORMATION DISSEMINATION; PUBLIC RELATIONS, PRODUCTION OF PUBLICATIONS AND PUBLICITY.

EXPERIENCE : J.L.A., S.L.A., J.T.A., S.T.A. AND SCIENTIST AI, C.M.R.I., 1965-87; SCIENTIST BI C.M.R.I. SINCE OCTOBER, 1987. (ALSO TRAINING IN COMPUTER PROGRAMMING, 1984 AND TRAINING IN TECHNICAL COMMUNICATION COORDINATED BY THE SOCIETY FOR INFORMATION SCIENCE, NEW DELHI, OCTOBER, 1987).

PRESENT ACTIVITIES : SCIENCE EDITING, SCIENCE WRITING, PRODUCTION OF PUBLICATIONS AND PUBLICITY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 10.

PROFESSIONAL EXPERIENCE (IN YEARS) : EDITING, SCIENCE WRITING, PRODUCTION OF PUBLICATIONS AND PUBLICITY - 26.

6150

SHRI GAUTAM BANERJEE; (B. JULY 29, 1962),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.TECH. (HONS.) ELECTRICAL ENGINEERING - I.I.T., KHARAGPUR '84.

SPECIALIZATIONS : MICROPROCESSORS AND COMPUTER SOFTWARE; MACHINE MAINTENANCE; ELECTRICAL INSTALLATIONS.

EXPERIENCE : GRADUATE ENGINEER AND ASSISTANT ENGINEER, TISCO, 1984-87; SCIENTIST B, C.M.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : MACHINE HEALTH MONITORING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 2, MAINTENANCE - 3.

6151

SHRI J P BANERJEE; (B. DECEMBER 1, 1942),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING ENGINEERING - CALCUTTA '62.

SPECIALIZATIONS : SURFACE SUBSIDENCE; STRATA CONTROL.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1964-86; SCIENTIST B, C.M.R.I. SINCE JUNE, 1986.

PRESENT ACTIVITIES : RESEARCH IN SURFACE SUBSIDENCE AND STRATA CONTROL.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 24.

6152

SHRI DEBASISH BASAK; (B. JANUARY 3, 1965),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.E. (ELECTRICAL) - BURDWAN '86; M.E. (ELECTRICAL) - ROORKEE '88.

SPECIALIZATIONS : SYSTEM ENGINEERING; OPERATIONS RESEARCH.

EXPERIENCE : JUNIOR RESEARCH ENGINEER, I I T KHARAGPUR, 1988-89; SCIENTIST B, C.M.R.I. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : RESEARCH AND DEVELOPMENT.

6153

SHRI S K BHANU; (B. JUNE 1, 1967),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(ENGG) CIVIL - RANCHI '89.

SPECIALIZATIONS : ADVANCED ENVIRONMENTAL ENGINEERING.

EXPERIENCE : PART TIME LECTURER, B I T SINDRI, 1990; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH;

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : APPLIED RESEARCH - 1, TEACHING - 1.

6154

SHRI P CHATTARAJ; (B. SEPTEMBER 24, 1938),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6155

SHRI A K CHAUDHURI; (B. OCTOBER 30, 1945),

SCIENTIST BI, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BURDWAN '65.

SPECIALIZATIONS : SCIENCE EDITING; INFORMATION DISSEMINATION; PUBLIC RELATIONS.

EXPERIENCE : J.L.A., S.L.A., J.T.A., S.T.A. & SCI. AI, C.M.R.I., 1965-87; SCIENTIST BI, C.M.R.I. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : SCIENCE EDITING.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 6.

PROFESSIONAL EXPERIENCE (IN YEARS) : EDITING - 25.

6156

SHRI GOUTAM DAS; (B. MAY 1, 1945),

TECHNICAL OFFICER (B), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.A. - RANCHI '85.

SPECIALIZATIONS : SECURITY AND MAINTENANCE.

EXPERIENCE : CORPORAL (N.C.O.), INDIAN AIR FORCE, 1963-67; SECURITY OFFICER, TROPICAL RUBBER CO., CALCUTTA, 1968; WATCH & WARD ASSISTANT (GR. I) AND HEAD LABORATORY SUPERVISOR AND TECHNICAL OFFICER (AI), C.M.R.I., 1969-87; TECHNICAL OFFICER (BI), C.M.R.I. SINCE JANUARY, 1987.

PRESENT ACTIVITIES : SECURITY & MAINTENANCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 19.

6157

SHRI N L DAS; (B. JANUARY 7, 1945),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - RANCHI '66.

SPECIALIZATIONS : MINE SAFETY EQUIPMENT; MINE LIGHTING.

EXPERIENCE : J.L.A., C.F.R.I., 1970; S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1970-88; SCIENTIST B, C.M.R.I. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : DEVELOPMENT OF METHANOMETER AND SAFETY EQUIPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 10, CONSULTANCY - 5, TESTING - 18, QLTY. CONTROL - 18.

6158

SHRI GOUTAM DHAR; (B.),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6159

SHRI M K DUTTA; (B. MAY 2, 1948),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA MECHANIC ENGG. - PATNA '69; B.TECH. MINING MACHINERY - INDIAN SCHOOL OF MINING, DHANBAD '83.

SPECIALIZATIONS : MINING INSTRUMENTATION AND MINING MACHINERY; INTRINSIC SAFETY;

EXPERIENCE : G I T TRAINEE, IRRIGATION DEPTT., PATNA (BIHAR), 1969-70; MECHANICAL OVERSEAR, TUBEWELL DIVISION, DHANBAD (BIHAR), 1973-88; SCIENTIST B, C.M.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : INVESTIGATION, TESTING & CERTIFICATION.

LANGUAGES : MAITHILI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, PATENTS TAKEN - 3, PATENTS FILED CURRENTLY - 2.

6160

SHRI K K GANGULI; (B. JANUARY 10, 1944),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '63.

SPECIALIZATIONS : METALLOGRAPHY; CHEMICAL ANALYSIS; CORROSION; LUBRICANT TESTING.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1963-86; SCIENTIST B, C.M.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TESTING - 10, QUALITY CONTROL - 7, TECHNO-ECONOMIC SURVEYS - 1, PILOT PLANT - 1.

6161

SHRI CHANDRA NATH GHOSH; (B. MARCH 28, 1961),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.TECH. MINING ENGINEERING - I.I.T., KHARAGPUR '85; M.TECH. MINING ENGINEERING - I.S.M., DHANBAD '91.

SPECIALIZATIONS : MINING ENGINEERING; COAL MINING; ROCK MECHANICS; MINE SUPPORTS DESIGN.

EXPERIENCE : GRADUATE ENGINEER TRAINEE AND ASSISTANT MINING ENGINEER, TISCO, 1985-87; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : R & D IN MINING ENGINEERING AND ROCK MECHANICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 3, PRODUCTION - 2.

6162

MRS KRISHNA GHOSH; (B. DECEMBER 23, 1945),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - CALCUTTA '66; M.SC. MATHEMATICS - CALCUTTA '68.

SPECIALIZATIONS : MATHEMATICS; INDUSTRIAL LIAISON.

EXPERIENCE : ASSTT. TEACHER, MULTIPURPOSE GOVT. GIRLS SCHOOL, CALCUTTA, 1970-73; S.L.A., J.T.A. AND S.T.A., C.M.R.I., 1973-85; SCIENTIST B, C.M.R.I. SINCE FEBRUARY, 1985.

PRESENT ACTIVITIES : INDUSTRIAL LIAISON IN MINING AND ALLIED INDUSTRY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 1, TEACHING - 3, INDUSTRIAL LIAISON - 17.

6163

SHRI P R GHOSH; (B. APRIL 2, 1939),

TECHNICAL OFFICER (B), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6164

SHRI SUBINOY GHOSH; (B. JANUARY 5, 1937),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : I.S.C. - CALCUTTA '55; CERTIFICATE IN
RADIOGRAPHY TRAINING - P.G.I., CHANDIGARH '74.

SPECIALIZATIONS : RADIOGRAPHY; OCCUPATIONAL
HEALTH.

EXPERIENCE : S.L.A., J.T.A., S.T.A. AND SCIENTIST AI,
C.M.R.I., 1960-87; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : STUDY ON OCCUPATIONAL DIS-
EASES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH.
REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
28.

6165

**SHRI JWALA PRASAD GUPTA; (B. MARCH 16,
1937),**

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - BHAGALPUR '61.

SPECIALIZATIONS : INDUSTRIAL STRESS AND ERGO-
NOMICS; WATER POLLUTION; MICROBIOLOGY; INFORMA-
TION AND PUBLICATION.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A,
C.M.R.I., 1963-86; SCIENTIST B, C.M.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, BENGALI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, ARTI-
CLES - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
27, TEACHING - 3, INFORMATION AND PUBLICATION - 3.

6166

SHRI JAGDISH; (B. NOVEMBER 25, 1986),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : M.SC. (CHEMISTRY) - MERRUT '88.

SPECIALIZATIONS : PHYSICAL CHEMISTRY.

EXPERIENCE : SCIENTIST (TRAINEE), CENTRAL POLLU-
TION CONTROL BOARD, 1989-90; SCIENTIST B, C.M.R.I. SINCE
DECEMBER, 1990.

6167

SHRI S JAYANTH; (B. APRIL 20, 1964),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.E. MINING - OSMANIA '86; M.TECH.
MINE PLANNING & DESIGN - B.H.U. '90.

SPECIALIZATIONS : MINE PLANNING; DRILLING AND
BLASTING.

EXPERIENCE : MINING GRADUATE TRAINEE, SINGARANI
COLLISORS COMPANY LTD., 1987-89; SCIENTIST B, C.M.R.I.
SINCE AUGUST, 1989.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : TELUGU, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. -
2, PRODUCTION - 2.

6168

SHRI J C JHANWAR; (B. FEBRUARY 12, 1965),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

TECHNOLOGY - BITS, PILANI '91.

SPECIALIZATIONS : OPEN CAST SYSTEM ENGINEERING;
UNDERGROUND METALLIFEROUS MINING.

EXPERIENCE : SCIENTIST B, C.M.R.S, DHANBAD, SINCE
AUGUST, 1989.

PRESENT ACTIVITIES : R & D AND CONTROL OF FIRE IN
OPEN CAST & UNDER GROUND COAL MINES.

LANGUAGES : HINDI, ENGLISH.

6169

SHRI N K KANUNGO; (B. SEPTEMBER 10, 1938),

TECHNICAL OFFICER (B), CENTRAL MINING RESEARCH IN-
STITUTE, DHANBAD.

6170

**SHRI SUDHIR KUMAR KASHYAP; (B. JANUARY
15, 1964),**

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

DESIGN - RANCHI.

SPECIALIZATIONS : FRACTURE MECHANICS.

EXPERIENCE : PART-TIME LECTURER, BIHAR INSTT. OF
TECHNOLOGY, SINDRI, 1987-90; SCIENTIST B, C.M.R.I., DHAN-
BAD SINCE APRIL, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
1, TEACHING - 3.

6171

SHRI J KISPOTTA; (B. NOVEMBER 8, 1962),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC.(HONS) GEOLOGY - RANCHI '84;
M.SC. GEOLOGY - RANCHI '87.

SPECIALIZATIONS : METHANE EMISSION AND DEGASIFI-
CATION.

EXPERIENCE : SCIENTIST B, C.M.R.I. SINCE MAY, 1990.

PRESENT ACTIVITIES : RESEARCH.

6172

SHRI AJIT KUMAR; (B. NOVEMBER 1, 1962),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.E. CIVIL - B.I.T., RANCHI '87.

SPECIALIZATIONS : PAVEMENT DESIGN; WATER POWER
ENGINEERING; MINE FIRES.

EXPERIENCE : SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : HINDI, ENGLISH, SANSKRIT.

6173

SHRI PRAMOD KUMAR; (B. FEBRUARY 1, 1942),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING ENGINEERING
AND MINE SURVEYING - BIHAR '64.

SPECIALIZATIONS : MINE SURVEYING AND INSTRUMENTATION.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A,
C.M.R.I., 1981-86; SCIENTIST B, C.M.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : INVESTIGATION, RESEARCH,
TESTING, SURVEY & INSTRUMENTATION IN TUNNELS &
MINES.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : R & D
MGMT. - 18, TESTING - 23.

6174

SHRI ANGAD KUSHWAHA; (B. DECEMBER 20, 1957),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

6175

SHRI RAM LOLARAK; (B. JULY 2, 1966),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.E. COMPUTER ENGINEERING -
GORAKHPUR '88.

SPECIALIZATIONS : DATABASE MANAGEMENT SYSTEM;
COMPUTER AIDED DESIGN; SOFTWARE DEVELOPMENT AND
NUMERICAL ANALYSIS.

EXPERIENCE : SCIENTIST B, C.M.R.I. SINCE JUNE, 1989.

PRESENT ACTIVITIES : R & D.

6176

SHRI V J LOVESON; (B. SEPTEMBER 4, 1962),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - ANNAMALAI '83; M.SC. - ANNAMALAI '85; PH.D. MADURAI KAMRAJ '93.

SPECIALIZATIONS : ENVIRONMENTAL REMOTE SENSING;
MINERAL EXPLORATION; MINING ENVIRONMENT.

EXPERIENCE : S.R.F., TAMIL UNIVERSITY, 1986-88; R.A.,
ANNA UNIVERSITY, 1988-89; S.R.F., TAMIL UNIVERSITY, 1989-90;
SCIENTIST B, C.M.R.I. SINCE MAY, 1990.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TAMIL, ENGLISH, FRENCH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 31, TECH.
REPORTS - 11, ARTICLES - 12.

AWARDS & DISTINCTIONS : YOUNG SCIENTIST AWARD
FOR CONTRIBUTION TO EARTH SCIENCE, ISCA, 1991.

6177

SHRI RANJIT MAITY; (B. OCTOBER 12, 1958),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.E. ELECTRICAL - CALCUTTA '82;
M.TECH. INSTRUMENTATION - IIT '84.

SPECIALIZATIONS : PROTECTIVE RELAYING; DIGITAL
ELECTRONICS; MICROPROCESSORS; FIBER OPTICS;

EXPERIENCE : INSTRUMENT ENGINEER AND SENIOR ENGINEER,
MICRONICS CORPORATION, 1984-90; SCIENTIST B,
C.M.R.I. SINCE APRIL, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH IN MINING
INSTRUMENTATION.

LANGUAGES : BENGALI, ENGLISH, HINDI, ORIYA.

PROFESSIONAL EXPERIENCE (IN YEARS) : APPLIED
RESEARCH - 2, DESIGN - 1, TECHNICAL DEVELOPMENT - 2,
COMPUTER PREPROCESSING - 1.

6178

SHRI D K MITRA; (B. MARCH 25, 1945),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '65; DIPLOMA IN
DIETETICS - CALCUTTA '78.

SPECIALIZATIONS : NUTRITION AND DIETETICS; RESPIRATORY
AND WORK PHYSIOLOGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A,
C.M.R.I., 1965-86; SCIENTIST B, C.M.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH.
REPORTS - 1, ARTICLES - 3.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. -
19, TECHNO-ECONOMIC SURVEYS - 1, CONSULTANCY - 1,
COMPUTER PROCESSING - 1.

6179

SHRI J K MOHNOT; (B. JULY 29, 1964),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.E. MINING - JODHPUR '88; M.SC. SCIENCE & TECHNOLOGY - BITS, PILANI '92.**SPECIALIZATIONS :** MINING ENGINEERING.**EXPERIENCE :** ASSTT. MANAGER (MINES), P P C LTD, DEHRADUN, 1988-89; SCIENTIST B, C.M.R.I. SINCE DECEMBER, 1989.**PRESENT ACTIVITIES :** R & D; MINE PRODUCTION, PLANNING AND SAFETY.

6180

SHRI SISHIR KR MONDAL; (B. APRIL 9, 1963),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6181

SHRI SUJIT KUMAR MONDAL; (B. NOVEMBER 4, 1964),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.E. MINING - CALCUTTA '86.**SPECIALIZATIONS :** ENVIRONMENTAL DISTURBANCE DUE TO ROCK BLASTING; OPTIMISATION OF BLAST PATTERN FOR OPTIMUM PRODUCTION AND SAFETY.**EXPERIENCE :** WORKED UNDER MOONIDIH PROJECT, B C C L, 1986-91; SCIENTIST B, C.M.R.I. SINCE DECEMBER, 1991.

6182

SHRI CHINMOY MUKHERJEE; (B. JUNE 15, 1963),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.E. MINING - CALCUTTA '86; M.E. ROCK MECHANICS - I.I.T., DELHI '88.**EXPERIENCE :** RESEARCH FELLOW, C.M.R.I., 1985-89; SCIENTIST B, C.M.R.I. SINCE C.M.R.I. SINCE AUGUST, 1989.

6183

SHRI RUBEN MURMU; (B. JUNE 21, 1965),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6184

SHRI V M S R MURTHY; (B. JUNE 19, 1965),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.E. MINING - NAGPUR '86; DISM MINE PLANNING & DESIGN - INDIAN SCHOOL OF MINES,

DHANBAD '87; M.TECH. DESIGN OF SHEARER POWER - INDIAN SCHOOL OF MINES, DHANBAD '88; M.B.A. FINANCIAL & PERSONNEL - NAGPUR '90.

SPECIALIZATIONS : MINE PLANNING AND DESIGN; FINANCIAL AND PERSONNEL MANAGEMENT; PLANNING & DESIGN ASPECTS IN TUNNELLING; COMPUTER APPLICATION IN MINING.**EXPERIENCE :** RESEARCH FELLOW, INDIAN SCHOOL OF MINES, DHANBAD, 1988-88; LECTURER, RAMDEO-BABA KAMLA NEHRU ENGINEERING COLLEGE, NAGPUR, 1988-89; SCIENTIST B, C.M.R.I. SINCE AUGUST, 1989.**PRESENT ACTIVITIES :** R & D IN MINE SYSTEM ANALYSIS.**LANGUAGES :** TELUGU, MARATHI, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. -2, TEACHING-2.

6185

SHRI SATYENDRA NARAYAN; (B. NOVEMBER 14, 1957),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - B.H.U. '78; M.SC. TECH. EXPLORATION GEOPHYSICS - B.H.U. '81.**SPECIALIZATIONS :** EXPLORATION GEOPHYSICS; MINING GEOPHYSICS; GROUNDWATER GEOPHYSICS; ROCK MECHANICS.**EXPERIENCE :** J.R.F., N.G.R.I., HYDERABAD, 1982-83; RESEARCH FELLOW (D.S.T.), I.S.M., DHANBAD, 1983; SCIENTIST B, C.M.R.I. SINCE DECEMBER, 1983.**PRESENT ACTIVITIES :** R & D IN MINING GEOPHYSICS.**LANGUAGES :** HINDI, SANSKRIT, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 3, TECH. REPORTS - 4.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 2, APP. RES. - 5, SURVEY OF NATURAL RESOURCES - 1.

6186

SHRI J K PANDAY; (B. SEPTEMBER 5, 1965),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.TECH. - B.H.U. '88; M.TECH. MINE PLANNING - B.H.U. '90.**SPECIALIZATIONS :** MINE ENVIRONMENT AND VENTILATION WITH SPECIAL EMPHASIS ON MINE CLIMATE;**EXPERIENCE :** SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1989.**PRESENT ACTIVITIES :** R & D.

6187

SHRI DURGA C PANIGRAHI; (B. MARCH 29, 1961),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.TECH. MINING ENGINEERING - I.S.M. '84.**SPECIALIZATIONS :** MINING ENGINEERING; MINE VENTILATION.

EXPERIENCE : ASSISTANT MANAGER (OPERATION), TISCO, 1984-87; SCIENTIST B, C.M.R.I. SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : R & D WITH REGARD TO VENTILATION AND AIR CONDITIONING OF MINES.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, OPERATION - 3.

6188

SHRI V N PATHAK; (B. MAY 12, 1946),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '65.

SPECIALIZATIONS : NON-DESTRUCTIVE TESTING; NON-DESTRUCTIVE EVALUATION TECHNOLOGY; QUALITY CONTROL.

EXPERIENCE : SCIENCE TEACHER, JANTA INTER COLLEGE, DEORIA, 1965-66; J.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1966-86; (ALSO POST GRADUATE TRAINING IN RADIOLOGICAL PHYSICS, B.A.R.C., BOMBAY, 1970-71); SCIENTIST B, C.M.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : R & D IN NON-DESTRUCTIVE EVALUATION.

LANGUAGES : HINDI, SANSKRIT, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 100.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11, TESTING - 22, QUALITY CONTROL - 21, PLANNING - 5.

6189

SHRI B M P PINGUA; (B. SEPTEMBER 25, 1959),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : M.SC.(CHEMISTRY) - RANCHI '90.

SPECIALIZATIONS : ORGANIC CHEMISTRY.

EXPERIENCE : SCIENTIST B, C.M.R.I. SINCE APRIL, 1992.

6190

SHRI BABAN PRABHAKAR; (B. JULY 2, 1958),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - MAGADH '79; M.SC. MATHEMATICS - PATNA '82.

SPECIALIZATIONS : PURE AND APPLIED MATHEMATICS; ROCK MECHANICS; TUNNELLING; COMPUTER PROCESSING.

EXPERIENCE : SCIENTIST B, C.M.R.I. SINCE JULY, 1986.

PRESENT ACTIVITIES : RESEARCH IN ROCK MECHANICS AND TUNNELING.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, ARTICLES - 3, PATENTS TAKEN - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES. AND COMPUTER PROCESSING - (TOTAL : 4 YRS).

6191

SHRI DINESH PRASAD; (B. JANUARY 12, 1940),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING AND MINE SURVEYING - BIHAR '63; B.TECH. MINING ENGINEERING - I.S.M. '83.

SPECIALIZATIONS : MINE MODELLING; MINING OF THICK COAL SEAMS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1965-86; SCIENTIST B, C.M.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : R & D ON EQUIVALENT MATERIAL MINE MODELLING TECHNIQUES.

LANGUAGES : HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 23, APP. RES. - 23.

6192

SHRI G M PRASAD; (B. SEPTEMBER 21, 1962),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - RANCHI '82; M.SC. PHYSICS - RANCHI '85.

SPECIALIZATIONS : ELECTRONICS; OPTOELECTRONICS; FIBER OPTICS AND SENSORS DEVELOPMENT; COMPUTER PROGRAMMING; NUMERICAL ANALYSIS.

EXPERIENCE : LECTURER, MAHUDA MAHAVIDYALAYA, MAHUDA (R U), 1985-87; JUNIOR RESEARCH FELLOW, C.M.R.I., 1987-89; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 3, TEACHING - 2.

6193

SHRI RAJENDRA PRASAD; (B. JULY 25, 1955),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(ENGG) ELECTRICAL - RANCHI '82; M.TECH. FUEL ENGINEERING - INDIAN SCHOOL OF MINES '85.

SPECIALIZATIONS : ENERGY TECHNOLOGY; POWER SYSTEM; RELIABILITY STUDIES.

EXPERIENCE : SENIOR RESEARCH FELLOW, C.M.R.I., 1985-89; JUNIOR ENGINEER, R.S.E.B., CHIRAWA, RAJASTHAN, 1989; SCIENTIST B, C.M.R.I. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 5.

6194

SHRI S S PRASAD; (B. OCTOBER 18, 1941),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING & MINE SURVEYING - BIHAR '64; ADVANCED DIPLOMA IN MINE SURVEYING - I.S.M., DHANBAD '80.

SPECIALIZATIONS : MINE SURVEYING; ENVIRONMENTAL DUST PROBLEMS IN MINES; LAND RECLAMATION; AFFORESTATION.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1965-86; SCIENTIST B, C.M.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : LAND RECLAMATION; ENVIRONMENTAL STUDIES AND DEVELOPMENT OF AFFORESTATION SYSTEMS IN MINING AREAS.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 23.

6195

SHRI SHANKAR PRASAD; (B. JANUARY 5, 1954),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - BHAGALPUR '74; B.SC.(ENGG) MINING - RANCHI '81; M.TECH. MINING - I.S.M. '91.

EXPERIENCE : J E T (M), COAL INDIA, 1982-83; SCIENTIST B, C.M.R.I. SINCE DECEMBER, 1983.

PRESENT ACTIVITIES : R & D.

6196

SHRI PARMESHWAR RAM; (B. APRIL 1, 1947),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '70.

SPECIALIZATIONS : MINE EXPLOSIVES AND ACCESSORIES.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1972-88; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : R & D ON COAL DUST EXPLOSION; R & D AND TESTING ON EXPLOSIVES AND ACCESSORIES.

6197

SHRI M RAMASWAMY; (B. JUNE 6, 1955),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

6198

SHRI D G RAO; (B. SEPTEMBER 26, 1963),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

6199

DR TAPAS RANJAN ROY; (B. MARCH 7, 1950),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - NORTH BENGAL '68; M.SC. APPLIED MATHEMATICS - JADAVPUR '70; PH.D. FLUID MECHANICS - JADAVPUR '78.

SPECIALIZATIONS : NUMERICAL TECHNIQUES; FLUID DYNAMICS; HEAT TRANSFER ANALYSIS; GRAPHICS AND DIGITAL COMPUTER PROGRAMMING.

EXPERIENCE : J.R.F., S.R.F. AND P.D.F., JADAVPUR UNIVERSITY, 1973-78; RESEARCH ASSOCIATE, MECH. ENGG. DEPT. B.H.U., 1978-84; POOL OFFICER (CSIR), I.S.M., DHANBAD, 1985-86; SCIENTIST B, C.M.R.I. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : RESEARCH ON HEAT AND HUMIDITY PROBLEMS IN DEEP COAL MINES, EFFECT OF FIRES ON VENTILATION SYSTEM OF MINES, INERTIZATION OF SEALED OFF FIRE AREA IN MINES, ETC.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC AND APP. RES. - 18, TEACHING - 4, COMPUTER PROCESSING - 15.

6200

SHRI S ROYCHOWDHURY; (B. MAY 12, 1937),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - CALCUTTA '59.

SPECIALIZATIONS : STRATA CONTROL IN LONGWALL CAVING.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1963-86; SCIENTIST B, C.M.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27.

6201

SHRI N SAHAY; (B. JULY 6, 1958),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

6202

SHRI S SANKAR; (B. OCTOBER 2, 1964),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. PHYSICS - BHARATHIDASAN '87; M.SC. PHYSICS - BHARATHIDASAN '90.

SPECIALIZATIONS : ELECTRONICS.

EXPERIENCE : SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1990.

PRESENT ACTIVITIES : RESEARCH ON INVESTIGATION, TESTING, MINER'S SAFETY EQUIPMENT AND MINE LIGHTING.

6203

SHRI S K SEN; (B. JUNE 4, 1940),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BURDWAN '61; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '82.

SPECIALIZATIONS : MINE FIRES.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1963-86; SCIENTIST B, C.M.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : R & D ON MINE FIRE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MGMT. - 10, TESTING - 6, QUALITY CONTROL - 9.

6204

SHRI J A SHAD; (B. MAY 18, 1939),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '62; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '83.

SPECIALIZATIONS : GAS EMISSION AND CONTROL OF MINE GASES; ANALYSIS OF FUEL, GAS, MINERALS AND ALLOYS.

EXPERIENCE : TEACHER, J.H.E. SCHOOL, CHIRAIYA, 1962-63; J.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1963-86; SCIENTIST B, C.M.R.I. SINCE MARCH, 1986. (ALSO ADVANCED TRAINING IN MINE SAFETY ENGINEERING ON THE FIRE DAMP EMISSION IN MINES, AND IN FORTRAN LANGUAGE PROGRAMMING).

PRESENT ACTIVITIES : R & D ON GAS EMISSION AND DEGASIFICATION OF COAL SEAMS.

LANGUAGES : URDU, HINDI, PERSIAN, ARABIC, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 32.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 14, CONSULTANCY - 7, TEACHING - 1.

6205

SHRI A K SINGH; (B. OCTOBER 21, 1956),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6206

SHRI A K SINGH; (B. NOVEMBER 29, 1953),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6207

DR AJAY KUMAR SINGH; (B. JUNE 30, 1957),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - BHAGALPUR '79; M.SC. MATHEMATICS - BHAGALPUR '82; PH.D. MATHEMATICS - I.I.T. KANPUR '91.

SPECIALIZATIONS : FLUID MECHANICS AND HEAT TRANSFER; NUMERICAL ANALYSIS; DIFFERENTIAL EQUATIONS.

EXPERIENCE : RESEARCH SCHOLAR, I.I.T., KANPUR, 1983-88; SCIENTIST B, C.M.R.I. SINCE MARCH, 1988.

PRESENT ACTIVITIES : MATHEMATICAL STUDIES ON THE FLOW OF INCOMPRESSIBLE AND COMPRESSIBLE FLUID THROUGH POROUS MEDIA.

LANGUAGES : HINDI, ENGLISH, BENGALI.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APP. RES. - 3, TEACHING - 3.

6208

DR ARVIND KUMAR SINGH; (B. MARCH 15, 1963),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : M.SC. NUCLEAR PHYSICS - B.H.U. '85; PH.D. PHYSICS - B.H.U. '89.

SPECIALIZATIONS : MINE VENTILATION.

EXPERIENCE : SCIENTIST B, C.M.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : HEAT AND HUMIDITY PROBLEM AND VENTILATION SURVEY AND PLANNING OF MINES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

6209

SHRI ASHOK KUMAR SINGH; (B. DECEMBER 14, 1944),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : DIPLOMA IN MINING & MINE SURVEYING - STATE BOARD OF TECHNICAL EDUCATION '64.

SPECIALIZATIONS : STRATA CONTROL.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1963-86; SCIENTIST B, C.M.R.I. SINCE MARCH, 1986. (ALSO ADVANCE TRAINING IN MACHINE CONDITION MONITORING - U.K.)

PRESENT ACTIVITIES : R & D IN LONGWALL MINING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 23.

6210

SHRI HARENDRA SINGH; (B. JUNE 30, 1962),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : M.SC. MATHEMATICS - BIHAR '87; P.G.
DIPLOMA IN COMPUTER SCIENCE '89.

SPECIALIZATIONS : MATHEMATICAL MODELLING.

EXPERIENCE : SCIENTIST B, C.M.R.I. SINCE APRIL, 1990.

PRESENT ACTIVITIES : MATHEMATICAL MODELLING
ON MINE ENVIRONMENT.

LANGUAGES : ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RE-
SEARCH - 1, TEACHING - 1.

6211

SHRI J K SINGH; (B. NOVEMBER 8, 1963),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.TECH.(HONS.) MINING ENGG. - I.I.T.,
KHARAGPUR '85.

SPECIALIZATIONS : UNDERGROUND COAL MINING; SYN-
THESIS OF ORGANIC COMPONENTS.

EXPERIENCE : GRADUATE ENGINEER (TRAINEE) AND
ASSTT. MINING ENGINEER, TATA STEEL, 1985-87; SCIENTIST
B, C.M.R.I. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : R & D IN MINING.

6212

SHRI K K K SINGH; (B. JUNE 8, 1961),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - B.H.U. '81;
M.SC.(TECH.) GEOPHYSICS (EXPLORATION) - B.H.U. '84.

SPECIALIZATIONS : GROUND WATER EXPLORATION;
WORKABILITY PARAMETERS OF DIFFERENT KINDS OF
DRILLING MECHANICS.

EXPERIENCE : SCIENTISTS B, C.M.R.I. SINCE FEBRUARY,
1990.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : HINDI, ENGLISH.

6213

SHRI M M SINGH; (B. JULY 8, 1959),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - B.H.U. '79; M.SC. GEOLOGY -
B.H.U. '81.

SPECIALIZATIONS : ROCK BLASTING.

EXPERIENCE : J.R.F. AND S.R.F., C.M.R.I., 1983-86; SCIENTIST
B, C.M.R.I. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : R & D IN ROCK BLASTING.

LANGUAGES : HINDI, ENGLISH, SANSKRIT.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH.
REPORTS - 36, PATENTS TAKEN - 2, PATENTS FILED - 1, BOOK
- 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 8.

6214

**SHRI MANOJ KUMAR SINGH; (B. FEBRUARY 1,
1964),**

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL BIHAR '88;
M.TECH. MINERAL ENGG. I.S.M., DHANBAD.

SPECIALIZATIONS : I C ENGINES; OPERATIONAL RE-
SEARCH; AUTOMOBILES.

EXPERIENCE : SCIENTIST B, C.M.R.S, DHANBAD, SINCE
MAY, 1990.

LANGUAGES : HINDI, ENGLISH, SANSKRIT.

6215

SHRI P K SINGH; (B. JANUARY 1, 1963),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - B.H.U. '81; M.SC.(TECH.) EXPLO-
RATION GEOPHYSICS - B.H.U. '85.

SPECIALIZATIONS : ROCK BLASTING; GROUND VIBRA-
TION; GROUND WATER EXPLORATION.

EXPERIENCE : RESEARCH SCHOLAR, DEPTT. OF GEOPHYS-
ICS, B.H.U., VARANASI, 1985-90; SCIENTIST B, C.M.R.I. SINCE
JANUARY, 1990.

PRESENT ACTIVITIES : R & D ACTIVITIES; RESISTIVITY
SURVEY.

6216

SHRI R P SINGH; (B. JULY 2, 1969),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

6217

DR R P SINGH; (B. APRIL 13, 1959),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : M.SC. ORGANIC CHEMISTRY -
GORAKHPUR '85; PH.D. CHEMISTRY - RANCHI '89.

SPECIALIZATIONS : ENVIRONMENTAL POLLUTION-SPE-
CIALLY AIRPOLLUTION MONITORING & ITS CONTROL;
CATALYTIC REACTION OF GASES OVER SEMICONDUCTING
MATERIALS.

EXPERIENCE : RESEARCH SCHOLAR, C.M.R.I., DHANBAD,
1986-89; SCIENTIST B, C.M.R.I. DHANBAD SINCE OCTOBER,
1990.

PRESENT ACTIVITIES : R & D ACTIVITY IN ENVIRON-
MENTAL POLLUTION & ITS CONTROL.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6.

PROFESSIONAL EXPERIENCE (IN YEARS) : BAS. RES. - 4, APP. RES. - 1.

6218

SHRI R R SINGH; (B. JANUARY 12, 1959),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - RANCHI '83; M.SC. INORGANIC CHEMISTRY - GORAKHPUR '86.

SPECIALIZATIONS : MINING EXPLOSIVES.

EXPERIENCE : J.R.F., C.M.R.I., 1987-89; SCIENTIST B, C.M.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : R & D ON EXPLOSIVES, PHYSICAL TESTING AND CHEMICAL ANALYSIS OF EXPLOSIVES.

6219

SHRI R V K SINGH; (B. JANUARY 5, 1963),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - MAGADH '81; M.SC. CHEMISTRY - GORAKHPUR '84; PH.D. CHEMISTRY - MAGADH '87.

SPECIALIZATIONS : ORGANIC CHEMISTRY; DEVELOPMENT OF TECHNIQUES FOR PREVENTION OF MINE FIRES.

EXPERIENCE : RESEARCH FELLOW, MAGADH UNIV., BODH GAYA, 1984-85; J.R.F. AND S.R.F., C.M.R.I., 1985-88; LECTURER, R.V.S. COLLEGE, RANCHI, 1988-89; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : R & D WORK FOR PREVENTION OF MINE FIRE.

LANGUAGES : HINDI, ENGLISH, SANSKRIT.

PUBLICATIONS & PATENTS : RES. PAPERS - 4.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RESEARCH - 5, TEACHING - 2.

6220

SHRI RAGHAVENDRA SINGH; (B. APRIL 7, 1939),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '59.

SPECIALIZATIONS : NON-DESTRUCTIVE TESTING TECHNOLOGY; QUALITY CONTROL.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1963-90; (ALSO POST GRADUATE TRAINING IN RADIOLOGICAL PHYSICS, B.A.R.C., BOMBAY, 1968-69; COURSE IN TESTING AND INSPECTION OF CASTINGS & FORGINGS, N.I.F.F.I., RANCHI 1971) SCIENTIST B, C.M.R.I. SINCE APRIL, 1990.

PRESENT ACTIVITIES : NON-DESTRUCTIVE INVESTIGATION AND EVALUATION OF COMPONENTS.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1; TECH. REPORTS - 100; ARTICLES - 1.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 12, TECH. DEV. - 16, CONSULTANCY - 5, TESTING - 25, QUALITY CONTROL - 20, PLANNING - 5.

6221

SHRI RAJENDRA SINGH; (B. JANUARY 20, 1959),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - MAGADH '78; M.SC. PHYSICS - MAGADH '80.

SPECIALIZATIONS : CLOSE-RANGE PHOTOGRAMMETRY; MINING INSTRUMENTATION.

EXPERIENCE : J.R.F. AND S.R.F., C.M.R.I., 1983-86; SCIENTIST B, C.M.R.I. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : R & D IN PHOTOGRAMMETRY AND INSTRUMENTATION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 9.

6222

SHRI RAMA DHAR SINGH; (B. JANUARY 5, 1939),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '62.

SPECIALIZATIONS : MINE SUBSIDENCE; ENVIRONMENTAL POLLUTION CONTROL.

EXPERIENCE : J.L.A., S.L.A., J.T.A., SCIENTIST A, S.S.A., C.M.R.I., 1963-87; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : ENVIRONMENTAL POLLUTION CONTROL.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 24.

6223

SHRI SANTOSH KUMAR SINGH; (B. JUNE 15, 1958),

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) GEOLOGY - RANCHI '78; M.SC. GEOLOGY - RANCHI '81; DIPLOMA IN SCIENCE & TECHNOLOGY - B.I.T.S., PILANI.

SPECIALIZATIONS : ROCK MECHANICS.

EXPERIENCE : J.R.F. AND S.R.F., C.M.R.I., 1984-87; SCIENTIST B, C.M.R.I. SINCE AUGUST, 1987.

PRESENT ACTIVITIES : R & D IN ROCK MECHANICS.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 4, APP. RES. - 4.

6224

SHRI SARB DEO SINGH; (B. JANUARY 4, 1946),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BIHAR '64.

SPECIALIZATIONS : NON-DESTRUCTIVE INVESTIGATION ON MINING COMPONENTS.

EXPERIENCE : S.L.A., J.T.A., S.S.A. AND SCIENTIST A, C.M.R.I., 1965-86; SCIENTIST B, C.M.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : R & D IN MINING EQUIPMENT AND MACHINERY.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, PATENTS FILED - 1, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 23, DESIGN - 23, TECH. DEVELOPMENT - 18, TESTING - 13.

6225

SHRI T B SINGH; (B. JANUARY 31, 1958),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC.(HONS) - B.H.U. '77; M.SC. - B.H.U. '79; PH.D. - B.H.U. '85; DIPLOMA IN CHEMICAL ENGINEERING '87.

SPECIALIZATIONS : ENVIRONMENTAL/ANALYTICAL CHEMISTRY; BIOMONITORING SOIL CHEMISTRY.

EXPERIENCES : J.R.F./S.R.F., B.H.U., 1980-86; UNESCO RESEARCH FELLOW, T.I.T., JAPAN, 1986-87; RESEARCH ASSOCIATE, C.M.R.I., 1986-91; SCIENTIST B, SCIENTIST B, C.M.R.I. SINCE APRIL, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH, GERMAN.

VISITED : JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, ARTICLES - 1.

6226

SHRI SALAISWAR SINHA; (B. AUGUST 3, 1942),
TECHNICAL OFFICER (B), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

EXPERIENCE : FOREMAN, C.S.I.R., 1962-79; TECHNICAL OFFICER (A), C.S.I.R., 1979-89; TECHNICAL OFFICER (B), C.M.R.I. SINCE JANUARY, 1989.

VISITED : U.K.

6227

DR SANJEEV SINHA; (B. FEBRUARY 25, 1958),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : M.SC. CHEMISTRY, ALLAHABAD '80; PH.D. CHEMISTRY, ALLAHABAD '84.

SPECIALIZATIONS : DEVELOPMENT OF SENSORS.

EXPERIENCE : S.R.F., C.M.R.I., DHANBAD, 1985-89; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : DEVELOPMENT OF SENSORS FOR MINE ATMOSPHERE.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAP. - 7, PATENTS FILED CURRENTLY - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BAS. RES. - 3, APP. RES. - 5, DESIGN - 3, OPERATION - 5, TESTING - 4, MAINTENANCE - 3, PLANNING - 4, EDITING - 3, COMPUTER PROCESSING - 1.

6228

SHRI ABHAY KUMAR SONI; (B. MAY 22, 1963),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.E. MINING ENGINEERING - RAVISHANKAR '83; M.S. S & T SECOND CLASS COAL MINE'S MANAGER CERTIFICATE

SPECIALIZATIONS : ROCK MECHANICS; TUNNEL SUPPORT DESIGN; GROUND CONTROL MEASURES.

EXPERIENCE : JUNIOR MINING ENGINEER, COAL INDIA LTD., 1983-86; LECTURER IN MINING, GOVERNMENT ENGINEERING COLLEGE, RAIPUR, 1986-87; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : GEOMECHANICAL STUDY RELATED TO TUNNEL AND OTHER UNDERGROUND CIVIL ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. PAPERS - 6, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, TEACHING - 1, ADMN. & PRODUCTION - 3, BASIC RES. - 2, DESIGN - 2, TESTING - 4, CONSULTANCY - 4.

6229

SHRI S SRIVASTAVA; (B. MAY 24, 1956),
SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - RANCHI '76; M.SC. PHYSICS - RANCHI '79.

SPECIALIZATIONS : ELECTRONICS AND INSTRUMENTATION.

EXPERIENCE : LECTURER, ANADA COLLEGE, HAZARIBAG, 1979-80; LECTURER, MARKHAM COLLEGE, HAZARIBAG, 1980-82; RESEARCH FELLOW, C.M.R.I., 1982-86, SCIENTIST B, C.M.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : MICROPROCESSOR/COMPUTER BASED INSTRUMENTATION FOR MINES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 2, PATENTS FILED CURRENTLY - 4.

6230**SHRI M SUNDARAJAN; (B. SEPTEMBER 5, 1963),**

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC. MATHEMATICS - BHARATHIDASAN '86; M.SC. MATHEMATICS - BHARATHIDASAN '89; M.PHIL. - ANNAMALAI '90.**SPECIALIZATIONS :** HYDRODYNAMICS.**EXPERIENCE :** SCIENTIST B, C.M.R.I. SINCE MARCH, 1992.**PRESENT ACTIVITIES :** NUMERICAL MODELLING.**LANGUAGES :** TAMIL, ENGLISH, HINDI.**PUBLICATIONS & PATENTS :** PAPERS - 1; PROCESS DEVELOPED - SOFTWARE.**6231****SHRI ANIL SWARUP; (B. NOVEMBER 15, 1962),**

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : M.SC. GEOLOGY - GARHWAL '86.**SPECIALIZATIONS :** ENGINEERING GEOLOGY.**EXPERIENCE :** SCIENTIST B, C.M.R.I. SINCE APRIL, 1990.**PRESENT ACTIVITIES :** R & D.**6232****DR R K TIWARY; (B. JULY 16, 1960),**

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) - B.H.U. '81; M.SC. CHEMISTRY - B.H.U. '83; PH.D. APPLIED CHEMISTRY - B.H.U. '90.**SPECIALIZATIONS :** ORGANIC CHEMISTRY; WATER POLLUTION; ENVIRONMENTAL CHEMISTRY.**EXPERIENCE :** J.R.F. AND S.R.F., C.M.R.I., 1983-89; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1989.**PRESENT ACTIVITIES :** APPLIED RESEARCH.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 10, TECH. REPORTS - 4.**PROFESSIONAL EXPERIENCE (IN YEARS) :** BASIC RESEARCH - 2, APPLIED RESEARCH - 5.**6233****DR D D TRIPATHI; (B. JULY 3, 1962),**

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : M.SC. MATHEMATICS - B.H.U. '84; PH.D. MATHEMATICS - B.H.U. '88.**SPECIALIZATIONS :** MAGNETOHYDRODYNAMICS; MINE FIRES.**EXPERIENCE :** S.R.F. C.S.I.R., 1988-90; SCIENTIST B, C.M.R.I. SINCE APRIL, 1990.**PRESENT ACTIVITIES :** BASIC RESEARCH.**LANGUAGES :** HINDI, ENGLISH, SANSKRIT.**PUBLICATIONS & PATENTS :** RES. PAPERS - 15.**6234****SHRI N K VARMA; (B. OCTOBER 2, 1959),**

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - BIHAR '79; M.SC. PHYSICS - BIHAR '82.**SPECIALIZATIONS :** MINE VENTILATION AND UNDERGROUND MINE CLIMATE.**EXPERIENCE :** J.R.F. AND S.R.F., C.M.R.I., 1983-89; SCIENTIST B, C.M.R.I. SINCE OCTOBER, 1989.**PRESENT ACTIVITIES :** R & D IN MINE VENTILATION AND HEAT & HUMIDITY PROBLEMS OF COAL MINES.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 2, TECH. REPORTS - 7.**PROFESSIONAL EXPERIENCE (IN YEARS) :** APP. RES. - 8.**6235****SHRI M K VERMA; (B. SEPTEMBER 29, 1957),**

SCIENTIST B, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6236**SHRI MD ALAUDDIN; (B. AUGUST 4, 1938),**

TECHNICAL OFFICER (A), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS : MATRICULATION '53; ELECTRICAL SUPERVISOR COMPETENCY EXAM - BIHAR ELECTRICITY BOARD '58.**SPECIALIZATIONS :** ELECTRICAL MAINTENANCE.**EXPERIENCE :** ELECTRICIAN, FOREMAN (ELECTRICAL) AND SENIOR FOREMAN, C.M.R.I., 1961-85; TECHNICAL OFFICER (A), C.M.R.I. SINCE DECEMBER, 1985.**PRESENT ACTIVITIES :** ELECTRICAL MAINTENANCE.**LANGUAGES :** URDU, ENGLISH.**PROFESSIONAL EXPERIENCE (IN YEARS) :** MAINTENANCE (ELECTRICAL) - 27.**6237****SHRI M K BISWAS; (B. FEBRUARY 20, 1936),**

TECHNICAL OFFICER (A), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

EXPERIENCE : DRIVER, ASST. FOREMAN AND SENIOR FORMAN, C.M.R.I., 1958-88. TECHNICAL OFFICER (A), C.M.R.I. SINCE APRIL, 1989.**PRESENT ACTIVITIES :** SUPERVISION.**LANGUAGES :** BENGALI, HINDI, ENGLISH.

6238

SHRI K C DUTTA; (B. APRIL 20, 1940),

TECHNICAL OFFICER (A), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6239

SHRI N B DUTTA; (B. JUNE 13, 1938),

TECHNICAL OFFICER (A), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS: INTERMEDIATE SCIENCE - CALCUTTA '58.**SPECIALIZATIONS:** LONGWALL MINING.**EXPERIENCE:** F.A., J.L.A., S.L.A., J.M.A. AND S.M.A., C.M.R.I., 1961-85; TECHNICAL OFFICER (A), C.M.R.I. SINCE OCTOBER, 1985.**PRESENT ACTIVITIES:** LONGWALL METHOD OF MINING.**LANGUAGES:** BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS:** ARTICLES - 1.

6240

SHRI B S KONAR; (B. JULY 3, 1937),

TECHNICAL OFFICER (A), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

SPECIALIZATIONS: AUTOMOBILES.**EXPERIENCE:** APPRENTICESHIP AND MECHANIC, M/S DHANBAD AUTOMOBILES, 1949-60; MECHANIC, M/S SARDAR ENGG. WORKS, DHANBAD, 1960-88; TECHNICAL OFFICER A, C.M.R.I. SINCE APRIL, 1988.**PRESENT ACTIVITIES:** SERVICING OF AUTOMOBILES AND TESTING MACHINES.

6241

SHRI DILIP KUMAR MUKHERJEE; (B. JANUARY 7, 1941),

TECHNICAL OFFICER (A), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS: B.SC. - RANCHI '65.**SPECIALIZATIONS:** GAS EMISSION AND CONTROL.**EXPERIENCE:** J.L.A., S.L.A. AND J.T.A., C.F.R.I., 1962-76; S.T.A., C.M.R.I., 1980-85; TECHNICAL OFFICER (A), C.M.R.I. SINCE JUNE, 1985.**PRESENT ACTIVITIES:** GAS EMISSION AND DEGASIFICATION.**LANGUAGES:** BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS:** RES. PAPERS - 2.**PROFESSIONAL EXPERIENCE (IN YEARS):** APP. RES. - 26, PILOT PLANT - 14.

6242

SHRI C B PANDEY; (B. FEBRUARY 1, 1945),

DOCUMENTATION OFFICER (A), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS: B.A. - RANCHI '81; LIBRARY SCIENCE CERTIFICATE - VARANASI '63.**SPECIALIZATIONS:** LIBRARY AND INFORMATION SERVICES.**EXPERIENCE:** LIBRARY ASSISTANT, B.H.U., 1964-66; J.L.A., C.M.R.I., 1966-88; DOCUMENTATION OFFICER (A), C.M.R.I. SINCE APRIL, 1988.**PRESENT ACTIVITIES:** LIBRARY AND DOCUMENTATION SERVICES.**LANGUAGES:** HINDI, ENGLISH.

6243

SHRI D N PAUL; (B. JULY 21, 1940),

TECHNICAL OFFICER (A), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS: DIPLOMA IN CRAFTSMANSHIP - B.S.E.B. PATNA '59; NATIONAL TRADE CERTIFICATE - BIHAR '69.**SPECIALIZATIONS:** PREPARATION OF COAL AND MINE ROCKS SPECIMEN.**EXPERIENCE:** MECHANICAL FITTER, MEAMECO PVT. LTD, 1960-61; LAB. ATTENDANT, MACHANIC, SENIOR MECHANIC, J.T.A. AND S.T.A., C.M.R.I., 1961-88; TECHNICAL OFFICER (A), C.M.R.I. SINCE APRIL, 1988.**PRESENT ACTIVITIES:** DETERMINATION AND EVALUATION OF PHYSICO-MECHANICAL PROPERTIES OF COAL AND MINE ROCKS.**LANGUAGES:** BENGALI, HINDI, ENGLISH.

6244

SHRI R K PAUL; (B. OCTOBER 16, 1945),

SCIENTIST A, CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

QUALIFICATIONS: B.SC. - RANCHI '69.**SPECIALIZATIONS:** MINE EXPLOSIVES AND ACCESSORIES.**EXPERIENCE:** DEMONSTRATOR IN CHEMISTRY, P K ROY COLLEGE, DHANBAD, 1970-73; S.L.A., J.S.A. AND S.S.A., C.M.R.I., 1973-88; SCIENTIST A, C.M.R.I. SINCE APRIL, 1988.**PRESENT ACTIVITIES:** R & D, TESTING OF MINE EXPLOSIVES.

6245

SHRI SHEO SAGAR RAM; (B. DECEMBER 10, 1938),

TECHNICAL OFFICER (A), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6246

SHRI N C SHARMA; (B. JULY 2, 1940),

TECHNICAL OFFICER (A), CENTRAL MINING RESEARCH INSTITUTE, DHANBAD.

6247

SHRI N K P SHARMA; (B. DECEMBER 25, 1937),
TECHNICAL OFFICER (A), CENTRAL MINING RESEARCH IN-
STITUTE, DHANBAD.

6248

SHRI T P N SINGH; (B. FEBRUARY 1, 1948),
SCIENTIST A, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '69.

SPECIALIZATIONS : R & D AND TESTING OF MINING COM-
PONENTS; WATER POLLUTION AND ENVIRONMENT MONI-
TORING.

EXPERIENCE : S.L.A., J.S.A. AND S.S.A., C.M.R.I., 1974-88;
SCIENTIST A, C.M.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6.

6249

SHRI R K SINHA; (B. JANUARY 17, 1939),
SCIENTIST A, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

6250

SHRI A N SUTRADHAR; (B. SEPTEMBER 12, 1937),

TECHNICAL OFFICER (A), CENTRAL MINING RESEARCH IN-
STITUTE, DHANBAD.

6251

SHRI R N THAKUR; (B. MAY 16, 1949),

SCIENTIST A, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

QUALIFICATIONS : B.SC. - BIHAR '69.

SPECIALIZATIONS : INSPECTION AND QUALITY CON-
TROL IN CASTINGS AND FORGING.

EXPERIENCE : TEACHER, MIDDLE & HIGH SCHOOL, 1965-
71; MECH. APPRENTICE, UNION COAL CO. LTD., 1971-73;
S.L.A., J.S.A. AND S.S.A., C.M.R.I., 1974-89; SCIENTIST A,
C.M.R.I. SINCE APRIL, 1989.

PRESENT ACTIVITIES : METALLURGICAL TESTING AND
INVESTIGATION.

LANGUAGES : HINDI, ENGLISH.

6252

SHRI E TUDU; (B. FEBRUARY 13, 1947),

SCIENTIST A, CENTRAL MINING RESEARCH INSTITUTE,
DHANBAD.

**Central Mechanical Engineering
Research Institute, Durgapur**

6253

SHRI HARDYAL SINGH; (B. OCTOBER 11, 1944),
DIRECTOR, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC(ENGG.) MECHANICAL ENGINEERING - PANJAB, 1966; M.SC(ENGG.) PRODUCTION ENGINEERING - PANJAB, 1982.

SPECIALIZATIONS : MECHANICAL ENGINEERING; PRODUCTION ENGINEERING; MACHINE DESIGN; INDUSTRIAL PLANTS MANUFACTURING; R & D MANAGEMENT; ENGINEERING CONSULTANCY.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C, SCIENTIST EI, SCIENTIST EII AND SCIENTIST F, C.M.E.R.I. (POSTED AT M.E.R.A.D.O., LUDHIANA), 1966-94; (ALSO HIGHER TRAINING IN MACHINE DESIGN, PRODUCTION ENGINEERING AND OTHER VARIOUS ASPECTS OF MECHANICAL ENGINEERING, U.S.A., 1973); DIRECTOR, C.M.E.R.I. SINCE JUNE, 1994.

PRESENT ACTIVITIES : RESEARCH AND R&D MANAGEMENT IN THE FIELD OF MECHANICAL AND PRODUCTION ENGINEERING.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8.

AWARDS & DISTINCTIONS : NRDC AWARD FOR THE DEVELOPMENT OF A LOW-COST AUTOMATIC KNITTING MACHINE, 1982.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27, R & D MGMT - 20, DESIGN - 29, PILOT PLANT - 22, CONSULTANCY - 19, PRODUCTION - 22.

6254

SHRI K N RAO; (B. FEBRUARY 2, 1939),

SCIENTIST F, MECHANICAL ENGINEERING RESEARCH AND DEVELOPMENT ORGANISATION, MADRAS (C.M.E.R.I., DURGAPUR)

QUALIFICATIONS : B.A. MATHEMATICS - SRI VENKATESWARA '59; B.E. (HONS.) MECHANICAL - SRI VENKATESWARA '63; M.TECH. MECHANICAL ENGINEERING - I.I.T., KHARAGPUR '65.

SPECIALIZATIONS : MACHINE DESIGN AND DEVELOPMENT.

EXPERIENCE : SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, C.M.E.R.I., 1965-86; SCIENTIST F, C.M.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : MACHINE DESIGN & DEVELOPMENT.

LANGUAGES : TELUGU, KANNADA, HINDI, ENGLISH.

VISITED : W. GERMANY, ZAMBIA.

PUBLICATIONS & PATENTS : RES. PAPERS-7, TECH. RPTS-10, ARTICLES-10, PATENTS TAKEN-3.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD AWARD FOR IMPORT SUBSTITUTION OF CONTINUOUS RESISTANCE ANNEALER, 1971.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.-2, DESIGN-20, R & D MGMT.-6.

6255

DR AMITABHA ROY; (B. DECEMBER 10, 1948),

SCIENTIST F, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.TECH. MECHANICAL ENGG. - I.I.T. KHARAGPUR '70; M.TECH. MATERIALS SCIENCE - I.I.T. KANPUR '73; M.S. METALLURGY & MATERIAL SCIENCE - CARNEGIE MELLON (USA) '75; PH.D. MATERIALS SCIENCE - UNIV OF SAARLAND, W.GERMANY '82.

SPECIALIZATIONS : MATERIALS EVALUATION; BASICS OF MATERIALS STRUCTURE-PROPERTY CORRELATIONS; MATERIALS DEVELOPMENT; PHYSICAL METALLURGY.

EXPERIENCE : RESEARCH ENGINEER, R & D FOR IRON & STEEL, SAIL, RANCHI, 1976-78; MECHANICAL ENGINEER, DEVELOPMENT CONSULTANTS PVT. LTD., CALCUTTA, 1978-79; D.F.G. AND N.S.F. FELLOWSHIP FOR HIGHER STUDIES IN W.GERMANY AND U S A, 1979-85; RESEARCH ENGINEER, THAPAR CORPORATE R & D CENTRE, PATIALA 1985-88; SCIENTIST EII, C.M.E.R.I., 1988-91; SCIENTIST F, C.M.E.R.I. SINCE JUNE, 1991.

PRESENT ACTIVITIES : BASIC/APPLIED RESEARCH IN COMPONENT INTEGRITY EVALUATION; R & D MANAGEMENT.

LANGUAGES : BENGALI, ENGLISH, HINDI, GERMAN.

VISITED : U S A, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 25, PATENTS FILED CURRENTLY - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, TEACHING - 1, EDITING - 1, APPLIED RESEARCH - 7, DOCUMENTATION - 6, DESIGN - 2, TESTING - 3, TECHNO-ECONOMIC SURVEYS - 3, TECHNICAL DEV. - 3, PLANNING - 6, COMPUTER PROCESSING - 1, MAINTENANCE - 3, TECHNOLOGY TRANSFER - 2, CONSULTANCY - 3, R & D MANAGEMENT - 6, ADMINISTRATION - 6.

6256

SHRI M K BANERJEE; (B. APRIL 14, 1945),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - WEST BENGAL '63; B.M.E. MECHANICAL-JADAVPUR '68.

SPECIALIZATIONS : PRODUCTION ENGINEERING; MACHINE/EQUIPMENT DESIGN.

EXPERIENCE : PRODUCTION ASSISTANT, G.K.W. LTD., HOWRAH, 1964; FOREMAN AND STA, B.I.T.M., CALCUTTA, 1965-71; SCIENTIST B, I.I.E.M./B.I.T.M., 1971-76; SCIENTIST C, B.I.T.M., CALCUTTA, AND I.I.C.B. 1976-77; SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1977-89; SCIENTIST EII, C.M.E.R.I. SINCE JULY, 1989.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT OF MACHINES AND EQUIPMENTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS TAKEN-2, PRODUCTS/PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD AWARD FOR DEVELOPING HYDRAULICALLY OPERATED COIL EXPANDING & SPREADING MACHINE, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN-14, MAINTENANCE-12, PRODUCTION-12.

6257

DR AMITABHA BASU; (B. JUNE 21, 1941),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '63; B.TECH.(HONS) METALLURGICAL ENGINEERING - I.I.T. KHARAGPUR '67; M.TECH. METALLURGICAL ENGINEERING (ROLLING, FORGING, HEAT TREATMENT) - BURDWAN '73; PH.D. METALLURGICAL ENGINEERING - BURDWAN '78.

SPECIALIZATIONS : MECHANICAL METALLURGY; METAL FAILURE ANALYSIS; HEAT TREATMENT; PHYSICAL METALLURGY; BEHAVIOUR OF MATERIALS (THERMALLY LOADED COMPONENTS).

EXPERIENCE : PYROMETRIST (OPERATION), BHILAI STEEL PROJECT, 1960-61; ASSISTANT METALLURGIST, BENGAL INGOT CO., CALCUTTA, 1968; METALLURGIST, M/S CASTALL CORPORATION (P) LTD., NARAINPUR (W.BENGAL), 1968-70; S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1970-88; SCIENTIST EII, C.M.E.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : R & D IN METAL FAILURE ANALYSIS & BEHAVIOUR OF METALS; DESIGN OF HEAT TREATMENT CYCLES OF ENGINEERING COMPONENTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RESERCH PAPERS-28, TECH. REPORTS-400, PATENTS TAKEN-2, PROCESSES DEVELOPED-3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES.-18, TESTING - 1, PRODUCTION - 2.

6258

DR JHANKAR BASU; (B. JUNE 9, 1948),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '69; M.E. MECHANICAL - CALCUTTA '71; PH.D. MECHANICAL ENGINEERING - BURDWAN '87.

SPECIALIZATIONS : MACHINE DESIGN; STRESS ANALYSIS; ROBOTICS.

EXPERIENCE : A.D.E., GEOLOGICAL SURVEY OF INDIA, CALCUTTA, 1972-78; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1978-91; SCIENTIST EII, C.M.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 2, DESIGN - 3, TECH. DEV. - 1, OPERATION - 3, TESTING - 1, MAINTENANCE - 1, ADMN. - 3, COMPUTER PROCESSING - 2. (TOTAL 19 YEARS)

6259

DR PROMODE KUMAR BASU; (B. JANUARY 2, 1939),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '58; B.TEL.ENGG. ELECTRONICS & TELE-COMM ENGG. - JADAVPUR '62; M.TECH. INSTRUMENTATION AND CONTROL - TECH. UNIV. OF BRNO, CZECHOSLOVAKIA '71; PH.D. INSTRUMENTATION AND CONTROL - TECH UNIV. OF BRNO, CZECHOSLOVAKIA '72.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION, MEASUREMENTS AND CONTROL; ANALOG AND DIGITAL SYSTEMS.

EXPERIENCE : J.S.O., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1963-87; SCIENTIST EII, C.M.E.R.I. SINCE FEBRUARY, 1987. (ALSO PANEL TRANSLATOR FOR CZECH. & SLOVAK TO ENGLISH, INSDOC, NEW DELHI).

PRESENT ACTIVITIES : R & D IN ELECTRONIC INSTRUMENTATION, CONTROL & MEASUREMENTS.

LANGUAGES : BENGALI, ENGLISH, HINDI, CZECH, SLOVAK.

VISITED : CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 9, REVIEW - 10, PATENTS TAKEN - 4, PROCESSES DEVELOPED - 8.

AWARDS & DISTINCTIONS : BEST PAPER AWARD ON DIGITAL DISCRIMINATORS FOR PHASE CONTROL OF MOTION/FREQUENCY, IETE, 1975; MERIT CERTIFICATE FOR THE PAPER ON DESIGNING OF AN ELECTRONIC BATCH WEIGHER FOR ROPE WAY CONVEYOR SYSTEM, INSTITUTION OF ENGINEERS (INDIA), 1982.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECH. DEV., TESTING AND MAINTENANCE - (TOTAL 25 YEARS).

6260

DR R C BISHNU; (B. JANUARY 15, 1943),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.M.E. MECHANICAL - JADAVPUR '64; M.E. MECHANICAL - CALCUTTA '67; PH.D. MECHANICAL ENGINEERING - JADAVPUR '76.

SPECIALIZATIONS : DESIGN ENGINEERING; STRESS ANALYSIS; EPOXY CONCRETE TECHNOLOGY; MACHINE TOOLS.

EXPERIENCE : APPRENTICE ENGINEER, NEW CENTRAL JUTE MILLS CO. PVT. LTD., CALCUTTA, 1964; LECTURER, JALPAIGURI POLYTECHNIC INSTITUTE, W. BENGAL, 1965; TECHNICAL TEACHER TRAINEE, BENGAL ENGINEERING COLLEGE, HOWRAH, 1967-68; S.R.F., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1968-85; SCIENTIST EII, C.M.E.R.I. SINCE JANUARY, 1986.

PRESENT ACTIVITIES : R & D IN EPOXY CONCRETE TECHNOLOGY AND DESIGN OF SPECIAL PURPOSE MACHINE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 4.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD AWARD FOR DEVELOPING HYDRAULICALLY OPERATED COIL EXPANDING & SPREADING MACHINE, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.-4, APP. RES.-8, DESIGN-7, TECH. DEV.-4, R & D MGMT. - 18, QUALITY CONTROL-1, TEACHING - 2.

6261

DR S DASGUPTA; (B. DECEMBER 15, 1943),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. ELECTRICAL - CALCUTTA '62; M.E. ELECTRICAL - BURDWAN '67; DR. ING. SYSTEMS ENGINEERING - BERLIN TECHNICAL UNIV., W.GERMANY '71.

SPECIALIZATIONS : INSTRUMENTATION; COMPUTER SCIENCE; ROBOTICS; CONTROL SYSTEMS.

EXPERIENCE : J.R.F., R.R.L., HYDERABAD, 1962-63; J.S.O., SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1963-81; SCIENTIST EI, C.M.E.R.I., 1981-86; SCIENTIST EII, C.M.E.R.I. SINCE FEB., 1986.

PRESENT ACTIVITIES : R & D; CONSULTANCY.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 2, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 10, ADMN. - 10, COMPUTER PROCESSING - 10.

6262

SHRI S K GHOSH; (B. SEPTEMBER 17, 1945),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MINING ENGINEERING - CALCUTTA '66; GRADUATESHIP IN OPERATIONS RESEARCH - O.R. SOCIETY OF INDIA '76.

SPECIALIZATIONS : R & D MANAGEMENT; OPERATIONS RESEARCH; TECHNOLOGY TRANSFER; TECHNOLOGY FORECASTING.

EXPERIENCE : S.S.A., C.M.R.S., DHANBAD, 1966-70; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1970-88; SCIENTIST EII, C.M.E.R.I. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : TECHNOLOGY TRANSFER; R & D MANAGEMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MGMT.-22, TECHNO-ECONOMIC SURVEYS-5, TECHNOLOGY TRANSFER - 22, PROCESSING-5.

6263

SHRI HALDHAR SINGH T JADEJA; (B. JULY 18, 1939),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - S.V. UNIVERSITY '61; M.S. MECHANICAL ENGINEERING - OKLAHOMA STATE UNIVERSITY, U S A '63.

SPECIALIZATIONS : TURBOMACHINERY; GAS DYNAMICS; FLUID MECHANICS; AUTOMOTIVE ENGINEERING.

EXPERIENCE : JUNIOR ENGINEER, SAUKEM, PORBANDAR, GUJARAT, 1961-62; P.G. SCHOLAR, OKLAHOMA STATE UNIV., U S A, 1962-63; R&D ENGINEER, PENU-TECH. LAB. INC., CALIFORNIA, U S A, 1963; R&D ENGINEER, THERMO AIR INC., CALIFORNIA, U S A, 1963-64; POOL OFFICER (CSIR), V.R.D.E. MINISTRY OF DEFENCE, AHMEDNAGAR, 1964-65; S.S.O. I/SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1965-88; SCIENTIST EII, C.M.E.R.I. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : R & D IN TURBOMACHINERY.

LANGUAGES : GUJARATI, HINDI, SANSKRIT, ENGLISH.

VISITED : HOLLAND, U S A, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 10, ARTICLES - 3, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 3.

AWARDS & DISTINCTIONS : FELLOW, INDIAN SOCIETY OF ENGINEERS; FELLOW, INSTITUTION OF ENGINEERS (INDIA); FELLOW, IIFE; FELLOW, INDIAN CRYOGENICS COUNCIL; FELLOW, (IEFE), NATIONAL SOCIETY OF FLUID MECHANICS & FLUID POWER.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 12, DESIGN - 6, CONSULTANCY - 4, R & D MGMT. - 2, MAINTENANCE - 1, ADMN. - 1.

6264

DR K M KUNDU; (B. JANUARY 7, 1944),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '65; M.E. MECHANICAL - CALCUTTA '69; PH.D. MECHANICAL ENGINEERING - CALCUTTA '78.

SPECIALIZATIONS : THERMAL ENGINEERING; FLUID MECHANICS; COMBUSTION & GASIFICATION; FLUIDIZATION.

EXPERIENCE : LECTURER, HOOGHLY INSTITUTE OF TECHNOLOGY, 1965-66; ASSISTANT LECTURER, R.E.C., DURGAPUR, 1966-67; DEMONSTRATOR, BENGAL ENGINEERING COLLEGE, HOWRAH, 1968-71; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, 1971-87; SCIENTIST EII, C.M.E.R.I. SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : R & D IN ENERGY ASPECTS, FUEL/COAL SLURRY COMBUSTION, FLUIDIZED BED COMBUSTION/GASIFICATION, FLUID FLOW PROBLEMS/ANALYSIS POLLUTION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 17, MONOGRAPH - 1, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 25, APP. RES. - 22, DESIGN - 20, TECH. DEV. - 20, PILOT PLANT - 20, CONSULTANCY - 10, R & D MGMT. - 15, OPERATION - 20, TESTING - 20, TECHNO-ECONOMIC SURVEYS AND PLANNING - 20, TEACHING - 6, COMPUTER PROCESSING - 20.

6265

DR NARAYAN PRASAD MUKHERJEE; (B. DECEMBER 1, 1945),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '67; M.TECH. PRODUCTION ENGINEERING AND DESIGN - BURDWAN '69; PH.D.(HIGH SPEED ROTARY HOT SAWS) - BURDWAN.

SPECIALIZATIONS : PRODUCTION ENGINEERING; DESIGN OF MACHINE TOOLS; TOOLING; JIGS AND FIXTURES.

EXPERIENCE : SENIOR RESEARCH FELLOW, M.E.R.A.D.O., POONA, 1970-72; TECHNICAL OFFICER, CENTRAL MACHINE TOOL INSTITUTE, BANGALORE, 1972-79; SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1979-90; SCIENTIST EII, C.M.E.R.I. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT; PRODUCTION ENGINEERING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 13.

AWARDS & DISTINCTIONS : BEST PAPER AWARD, ALL INDIA MACHINE TOOL DESIGN & RESEARCH CONFERENCE, 1982, 1984.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, DESIGN - 18.

6266

SHRI SANJOY ROY; (B. JANUARY 22, 1947),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. METALLURGY - BURDWAN '68; M.TECH. METALLURGY - BURDWAN '76.

SPECIALIZATIONS : METALLURGICAL FAILURE ANALYSIS; WELDING METALLURGY; NON-DESTRUCTIVE TESTING.

EXPERIENCE : S.S.A., MERADO, PUNE (CMERI), 1969-73; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., DURGAPUR, 1973-88; SCIENTIST EII, C.M.E.R.I. JUNE, 1988.

PRESENT ACTIVITIES : TESTING AND CONSULTANCY IN NON-DESTRUCTIVE TESTING AND METALLURGICAL FAILURE ANALYSIS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSULTANCY - 22, TESTING - 22.

6267

SHRI PREMRAJAN SAMADDAR; (B. JANUARY 29, 1947),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - NORTH BENGAL '68; M.E. ANALYSIS AND DESIGN OF PROCESS PLANT EQUIPMENT - ALLAHABAD '71.

SPECIALIZATIONS : ANALYSIS AND DESIGN OF PROCESS PLANTS; DESIGN OF PILOT PLANTS; POLLUTION CONTROL SYSTEM; RENEWABLE SOURCES OF ENERGY.

EXPERIENCE : JR. DESIGN ENGINEER, HUMPHREYS & GLASGOW CONSULTANTS PVT. LTD., BOMBAY, 1972-73; ASSTT. DESIGN ENGINEER, MUKAND IRON & STEEL PVT. LTD., 1973-74; ASSTT. ENGINEER, ENGINEERS INDIA LTD., 1974-76; SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1976-89; SCIENTIST EII, C.M.E.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : RESEARCH, DESIGN AND DEVELOPMENT OF PROCESS PLANT; POLLUTION CONTROL AND RENEWABLE SOURCES OF ENERGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS-6. TECH. REPORTS-15, PATENTS FILED - 1, PROCESSES DEVELOPED - 10, PROCESSES UNDER UTILISATION - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.-3, APP. RES.-14, DESIGN-19, TECHNICAL DEV. - 12, PILOT PLANT -7, CONSULTANCY - 10.

6268

SHRI DINES CHANDRA SARKAR; (B. JANUARY 26, 1940),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - W.BENGAL '61; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '74; M.TECH MECH. ENGG. (PROD. ENGG.) - BURDWAN '90.

SPECIALIZATIONS : PRODUCTION ENGINEERING; WORKSHOP TECHNOLOGY.

EXPERIENCE : CHARGEMAN (MACHINE SHOP), M/S. JESAM ENGG. CO. (P) LTD., CALCUTTA, 1961-62; GRADUATE APPRENTICE (WORKSHOP), N.M.L., JAMSHEDPUR, 1962-64; J.S.A. (WORKSHOP), S.S.A. (WORKSHOP), SCIENTIST A AND WORKSHOP SUPERINTENDENT, SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1964-89; (ALSO ADVANCED TRAINING ON PLANNING, PROCESSING, FABRICATION, ERECTION, INSTALLATION AND MAINTENANCE OF WORKSHOP MACHINERY, U.K., 1979); SCIENTIST EII, C.M.E.R.I. SINCE JULY, 1989.

PRESENT ACTIVITIES : PLANNING AND EXECUTION OF PROTOTYPE FABRICATION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U.K.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D - 10, PRODUCTION-27, IND. MANAGEMENT-17.

6269

SHRI ASISH DAS SARMA; (B. NOVEMBER 16, 1941),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B. TEL. E. ELECTRONICS & TELECOMMUNICATION ENGINEERING - JADAVPUR '63.

SPECIALIZATIONS : ROBOTICS AND MICROPROCESSOR BASED SYSTEM DEVELOPMENT; DIGITAL SYSTEM ELECTRONICS; INSTRUMENTATION AND CONTROL.

EXPERIENCE : S.T.A., GEOLOGICAL SURVEY OF INDIA, 1963-65; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1965-87; SCIENTIST EII, C.M.E.R.I. SINCE FEBRUARY, 1987; (ALSO ADVANCED TRAINING IN W. GERMANY, 1983).

PRESENT ACTIVITIES : R & D IN ROBOTICS AND MICRO-PROCESSOR BASED SYSTEM; DIGITAL ELECTRONICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 12, REVIEW - 3, PATENTS - 2, PROCESSES DEVELOPED - 11, PROCESSES UNDER UTILISATION - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, DESIGN - 10, CONSTRUCTION - 2, MAINTENANCE - 3.

6270

DR NAVINCHANDRA FOJALAL SHAH; (B. JANUARY 15, 1939),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.S. MACHINE DESIGN - UTAH STATE UNIVERSITY, U S A '62; M.S. MACHINE DESIGN - UNIVERSITY OF MISSOURI, U S A '64; PH.D. TRIBOLOGY - AVADH '88.

SPECIALIZATIONS : MACHINE DESIGN; PRODUCTION AND PLANNING; TRIBOLOGY.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, C.E.M.R.I., DURGAPUR, 1965-77; SCIENTIST EI, M.E.R.A.D.O., PUNE, 1977-82; SCIENTIST EII, M.E.R.A.D.O. PUNE SINCE APRIL, 1982.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF INDUSTRIAL MACHINERY.

LANGUAGES : GUJARATI, HINDI, ENGLISH.

VISITED : U S A, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 6, PATENTS TAKEN - 1, PATENTS FILED - 1.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEVELOPMENT OF PUNCHING MACHINE, 1970, STRANDING MACHINE, 1972 AND ROTILLER, 1976.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 10, DESIGN - 24, TECHNICAL DEV. - 15, CONSULTANCY - 10, R & D MGMT. - 10, IND. MGMT. - 10, TEACHING - 2, PLANNING - 10, TECHNOLOGY TRANSFER - 10, SALES MARKETING - 10, ADMN. - 10.

6271

DR BINOD KUMAR SINHA; (B. OCTOBER 15, 1941),

SCIENTIST EII, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - BHAGALPUR '61; B.SC.(ENGG) MECHANICAL - RANCHI '65; M.E. MECHANICAL - BURDWAN '69; PH.D. MECHANICAL ENGINEERING - BURDWAN '83.

SPECIALIZATIONS : MECHANICAL VIBRATIONS; STRESS ANALYSIS; NOISE ANALYSIS; EQUIPMENT RELIABILITY.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, C.M.E.R.I., 1966-86; SCIENTIST EII, C.M.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN VIBRATION & NOISE CONTROL IN PARTICULAR & CONDITION MONITORING IN GENERAL.

LANGUAGES : HINDI, BENGALI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 35, TECH. REPORTS - 100, ARTICLES - 5, PATENTS FILED - 1, PATENTS TAKEN - 1.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA); FELLOW, INDIAN SOCIETY OF ENGINEERS.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25.

6272

SHRI B C ADHIKARI; (B. DECEMBER 3, 1942),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - BURDWAN '65; M.I.I.M. - INDIAN INSTITUTE OF METALS '74.

SPECIALIZATIONS : NON-DESTRUCTIVE TESTING.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1966-88; (ADVANCED TRAINING IN WELDING TECHNOLOGY, U.S.S.R., 1973); SCIENTIST EI, C.M.E.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN NON-DESTRUCTIVE TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEVELOPMENT, CONSULTANCY, TESTING AND QUALITY CONTROL - (TOTAL 25 YEARS).

6273

SMT SUSHMA AGRAWAL; (B. OCTOBER 20, 1954),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. ELECTRONICS - BHOPAL '76; M.E. ELECTRONICS - PUNJAB '91.

SPECIALIZATIONS : ROBOTICS/VISION SENSORS; ELECTRONICS; COMPUTERS, PERSONAL COMPUTERS; MICRO-PROCESSOR BASED INSTRUMENTATION.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.S.I.O., CHANDIGARH, 1977-91; (ALSO ADVANCED TRAINING ON MICROPROCESSOR BASED ULTRA HIGH RELIABILITY, FRANCE, 1984.); CNRS FELLOWSHIP BY CNRS-CSIR FOR ADVANCED TRAINING IN THE FIELD OF ELECTRONICS, 1984; SCIENTIST EI, C.M.E.R.I. SINCE APRIL, 1991.

PRESENT ACTIVITIES : R & D OF INDUSTRIAL INSTRUMENTS.

LANGUAGES : HINDI, ENGLISH, SANSKRIT, FRENCH, PUNJABI.

VISITED : FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 2, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : WORLD LAB FELLOWSHIP BY WORLD LAB SWITZERLAND FOR ADVANCED RESEARCH WORK ON INDUSTRIAL 3D SYSTEM, 1991.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 14, TECHNICAL DEV. - 14, COMPUTER PROCESSING - 5.

6274

SHRI SYED SHANE ALI; (B. MAY 15, 1941),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - A.M.U. '60; A.M.I.I.M. - INDIAN INSTITUTE OF METALS '71.

SPECIALIZATIONS : METALLURGY; NON-DESTRUCTIVE TESTING.

EXPERIENCE : SR. OPERATIVE TRAINEE AND INSPECTION ASSISTANT, ROURKELA STEEL PLANT, ROURKELA, 1962-69; S.S.A., SCIENTIST B AND SCIENTIST C, MERADO 1969-84; SCIENTIST EI, MERADO SINCE DECEMBER, 1984; (ALSO ADVANCED TRAINING IN MATERIALS SCIENCE, W.GERMANY, 1978).

PRESENT ACTIVITIES : R & D IN MATERIALS SCIENCE; TESTING OF MATERIALS.

LANGUAGES : URDU, HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 7.

AWARDS & DISTINCTIONS : SHRAM VIR NATIONAL AWARD GOVERNMENT OF INDIA, 1968.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 12, QUALITY CONTROL - 12.

6275

SHRI PREM KUMAR ARORA; (B. APRIL 18, 1943),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - PUNJAB '64; A.M.I.E. METALLURGY - INSTITUTION OF ENGINEERS (INDIA) '73; P.G. DIPLOMA IN METALLURGY - NATIONAL INSTITUTE OF FOUNDRY AND FORGED TECHNOLOGY, RANCHI '80.

SPECIALIZATIONS : FOUNDRY TECHNOLOGY.

EXPERIENCE : ASSTT. FOUNDRY ENGINEER, K.G. KHOSLA & CO., FARIDABAD, 1964-66; ASSTT. FOUNDRY ENGINEER, LEADER ENGINEERING WORKS, JULLUNDUR, 1966-68; FOUNDRY FOREMAN, LAKSHMIRATAN ENGINEERING WORKS LTD., FARIDABAD, 1968; S.S.A., SCIENTIST B SCIENTIST C, MERADO, LUDHIANA/C.M.E.R.I., DURGAPUR, 1968-83; SCIENTIST EI, C.M.E.R.I., DURGAPUR/MERADO LUDHIANA SINCE SEPTEMBER, 1983.

PRESENT ACTIVITIES : PRODUCT DEVELOPMENT, CONSULTANCY AND TESTING IN THE FIELD OF FOUNDRY FOREMAN TECHNOLOGY.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 7, ARTICLES - 5, PROJECT REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 2, CONSULTANCY - 10, TESTING - 8, PRODUCTION - 6.

6276

SHRI APURBA KUMAR BANDYOPADHYAY; (B. SEPTEMBER 23, 1943),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.O.A.T., DIPLOMA IN MECHANICAL AND ELECTRICAL ENGINEERING - W. BENGAL '63; A.M.I.E. MECHANICAL ENGINEERING - INSTITUTION OF ENGINEERS (INDIA) '73; M.TECH. MECHANICAL ENGINEERING - BURDWAN '87.

SPECIALIZATIONS : MACHINE DESIGN; PROCESS PLANT DESIGN; POLLUTION CONTROL SYSTEM; RENEWABLE SOURCES OF ENERGY; PRESSURE VESSELS TECHNOLOGY.

EXPERIENCE : ENGINEER APPRENTICE, M/S SAXBY & FARMER (I) PVT. LTD., 1960-65; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1965-88; SCIENTIST EI, C.M.E.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN POLLUTION CONTROL, RENEWABLE SOURCE OF ENERGY AND PROCESS PLANT DESIGN & DESIGN OF VARIOUS ENGINEERING PROCESSES & PRODUCTS INCLUDING LIFTING & HANDLING SYSTEM OF DEEP-SEA BED MINING(D.O.D PROJ.).

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 16, PATENTS FILED - 1, PROCESSES DEVELOPED - 12, PROCESSES UNDER UTILISATION - 9.

AWARDS & DISTINCTIONS : KAMALA GUPTA CHARITABLE TRUST GOLD MEDAL FOR THE BEST RESEARCH PAPER, INSTITUTION OF ENGINEERS(INDIA), 1974.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 6, DESIGN - 14, PILOT PLANT - 2, CONSULTANCY - 3, TESTING - 5, PRODUCTION - 1.

6277

SHRI B N BANERJEE; (B. NOVEMBER 21, 1937),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(D) - CALCUTTA '59; A.M.I.E. - INSTITUTION OF ENGINEERS (INDIA) '81.

SPECIALIZATIONS : PRECISION MEASUREMENTS; GAUGE INTERFEROMETRY; INDUSTRIAL METROLOGY.

EXPERIENCE : GRADUATE APPRENTICE, DURGAPUR THERMAL POWER STATION, DPL, DURGAPUR; J.T.A., S.T.A., SCIENTIST AI, SCIENTIST BI AND SCIENTIST C, C.M.E.R.I., 1962-87; SCIENTIST EI, C.M.E.R.I. SINCE JULY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 5, TECHNICAL DEV. - 10, CONSULTANCY - 1, TESTING - 5, QUALITY CONTROL - 4, TRAINING - 2, MAINTENANCE - 2.

6278

SHRI S R BASAK; (B. DECEMBER 19, 1937),

TECHNICAL OFFICER (EI), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BIHAR '60.**SPECIALIZATIONS** : MATERIALS AND NON-DESTRUCTIVE TESTING.**EXPERIENCE** : J.S.A., C.M.R.S., DHANBAD, 1960-64; S.T.A., SCIENTIST AI, SCIENTIST BI AND TECHNICAL OFFICER (CI), C.M.E.R.I., 1964-89; TECHNICAL OFFICER (EI), C.M.E.R.I. SINCE OCTOBER, 1989.**PRESENT ACTIVITIES** : TESTING AND CONSULTANCY IN NON-DESTRUCTIVE EVALUATION OF ENGINEERING COMPONENTS.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : TECHNICAL DEVELOPMENT - 4, CONSULTANCY - 10, TESTING & QUALITY CONTROL - 29, MAINTENANCE - 10, TEACHING - 10.

6279

MRS M BHATTACHARJEE; (B. JULY 21, 1947),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - DELHI '67; M.SC. MATHEMATICS - DELHI '69.**SPECIALIZATIONS** : OPERATIONS RESEARCH; COMPUTER PROCESSING; HAZARD AND SAFETY EVALUATION.**EXPERIENCE** : LECTURER, MOTILAL NEHRU COLLEGE, DELHI, 1970-84; SCIENTIST C, C.M.E.R.I., 1984-89; SCIENTIST EI, C.M.E.R.I. SINCE MARCH, 1989.**PRESENT ACTIVITIES** : R & D MANAGEMENT; APPLIED RESEARCH.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 6.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 6, R & D MGMT. - 4, TEACHING - 14.

6280

SHRI M S BHATTACHARJEE; (B. JANUARY 2, 1947),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. ELECTRICAL ENGINEERING - BURDWAN '68; M.TECH. ELECTRICAL ENGINEERING - BURDWAN '71.**SPECIALIZATIONS** : DESIGN OF ELECTRICAL DRIVES; GENERATION OF POWER FROM NON-CONVENTIONAL SOURCES; DESIGN AND DEVELOPMENT OF CONTROL SYSTEMS; MATHEMATICAL MODELLING OF PHYSICAL SYSTEMS; ELECTRICAL MAINTENANCE; SAFETY AND RELIABILITY EVALUATION OF SYSTEMS.**EXPERIENCE** : J.R.F., S.S.A., SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1968-86; SCIENTIST EI, C.M.E.R.I. SINCE DECEMBER, 1986.**PRESENT ACTIVITIES** : R & D IN CONTROL SYSTEMS, ELECTRICAL SYSTEMS DESIGN, MAINTENANCE OF ELECTRICAL INSTALLATIONS, FAILURE MODE & EFFECT ANALYSIS FROM SYSTEMS AND GENERATION OF FAULT TREE.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 8, TECH. REPORTS - 5.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 4, DESIGN - 5, TECHNICAL DEV. - 4, MAINTENANCE - 7.

6281

SHRI O P BHOLA; (B. APRIL 19, 1939),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - MADRAS '65; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '77.**SPECIALIZATIONS** : MACHINE DESIGN AND DRAWING.**EXPERIENCE** : DRAFTSMAN, B.H.E.L., BHOPAL, 1958-65; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1965-88; SCIENTIST EI, C.M.E.R.I. SINCE DECEMBER, 1988.**PRESENT ACTIVITIES** : MECHANICAL DESIGN AND DRAWING OF INDUSTRIAL PROJECTS & DEEP-SEA BED MINING SYSTEMS.**LANGUAGES** : PUNJABI, HINDI, BENGALI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : MECHANICAL DESIGN AND DRAFTING - 33.

6282

SHRI NIRENDRA KUMAR CHANDRA; (B. DECEMBER 31, 1938),

TECHNICAL OFFICER (EI), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.O.A.T. DIPLOMA IN MECHANICAL & ELECTRICAL ENGINEERING - WEST BENGAL '64.**SPECIALIZATIONS** : MACHINE DESIGN AND DRAWING.**EXPERIENCE** : ENGINEERING APPRENTICE, JOY ENGINEERING WORKS, CALCUTTA, 1959-64; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1965-88; TECHNICAL OFFICER (EI), C.M.E.R.I. SINCE DECEMBER, 1988.**PRESENT ACTIVITIES** : DESIGN AND DRAWING; JIGS & FIXTURES, DESIGN AND DEVELOPMENT OF INDUSTRIAL MACHINERY.**LANGUAGES** : BENGALI, HINDI, SANSKRIT, ENGLISH.**AWARDS & DISTINCTIONS** : INVENTIONS PROMOTION BOARD AWARD FOR DEVELOPING A 5 BAY STRANDING MACHINE, 1972-73.**PROFESSIONAL EXPERIENCE(IN YEARS)** : DESIGN - 23, TECHNICAL DEV. - 23.

6283

SHRI SANATAN CHATTERJEE; (B. JULY 31, 1939),

TECHNICAL OFFICER (EI), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.E.E. - W.BENGAL '63.

SPECIALIZATIONS : MAINTENANCE OF ELECTRICAL INSTALLATIONS AND ELECTRICAL CONTROL SYSTEMS; COAL COMBUSTION.

EXPERIENCE : SECTIONAL OFFICER (E), N.P.C.C. LTD., 1964-71; ASSISTANT ENGINEER, FOOD CORPORATION OF INDIA (ON DEPUTATION), 1971-73; SECTIONAL OFFICER, N.P.C.C., 1973; SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1973-88; TECHNICAL OFFICER (EI), C.M.E.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : SUPERVISION OF ELECTRICAL CONSTRUCTION AND MAINTENANCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 6, CONSTRUCTION - 9, OPERATION - 20, TESTING - 5, MAINTENANCE - 16, ADMN. - 10.

6284

SHRI P K CHAUDHURY; (B. NOVEMBER 2, 1941),
SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.COM - CALCUTTA '60; B.A. - CALCUTTA '62; DIP. LIB. SC. - CALCUTTA '63; ASSOCIATESHIP IN DOCUMENTATION & REPROGRAPHY - INSDOC, NEW DELHI '66; M.A. ISLAMIC HISTORY & CULTURE - CALCUTTA '75; M.A. ANCIENT INDIAN HISTORY & CULTURE - CALCUTTA '78.

SPECIALIZATIONS : LIBRARY SCIENCE; DOCUMENTATION.

EXPERIENCE : ASSTT. LIBRARIAN, RAMKRISHNA MISSION SHILPAMANDIR, BELURMATH, 1961-62; ASSTT. LIBRARIAN, PCM MEMORIAL LIBRARY, CALCUTTA, 1962-63; ASSISTANT LIBRARIAN AND LIBRARIAN, SCOTTISH CHURCH COLLEGE, CALCUTTA, 1963-64; S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1964-89; SCIENTIST EI, C.M.E.R.I. SINCE OCTOBER, 1989; (ALSO TRAINING IN MANAGEMENT DEVELOPMENT PROGRAMME ON LIBRARY & INFORMATION SYSTEMS, INDIAN INSTITUTE OF MANAGEMENT, CALCUTTA, 1983).

PRESENT ACTIVITIES : LIBRARY & DOCUMENTATION SERVICES.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : ARTICLES - 6, PROJECT REPORT - 1.

PROFESSIONAL EXPERIENCE (IN YEARS) : LIBRARY SCIENCE & DOCUMENTATION - 30.

6285

SHRI P K CHAULIA; (B. JANUARY 1, 1951),
SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. CIVIL - BURDWAN '72; M.E. STRUCTURAL ENGINEERING - BURDWAN '75.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; STRUCTURAL DESIGN OF INDUSTRIAL STRUCTURES; STRESS ANALYSIS AND STRUCTURAL DESIGN.

EXPERIENCE : GRADUATE APPRENTICE, A.E. AND DESIGN ENGINEER, MAMC, DURGAPUR, 1973-82; SCIENTIST C, C.M.E.R.I., 1982-88; SCIENTIST EI, C.M.E.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : ANALYSIS, DESIGN AND TESTING OF INDUSTRIAL STRUCTURES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 5, DESIGN - 10, CONSTRUCTION - 1, COMPUTER PROCESSING - 2.

6286

SHRI R K CHOUDHARY; (B. JANUARY 6, 1944),
SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(ENGG) ELECTRICAL - PATNA '64.

SPECIALIZATIONS : WELDING TECHNOLOGY; PLASMA TECHNOLOGY; ELECTRIC TRACTION; PRODUCTION ENGINEERING.

EXPERIENCE : POOL OFFICER (CSIR), SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1965-81; (ALSO TRAINING IN ELECTRIC TRACTION, SWITZERLAND, 1964-65; AND TRAINING IN WELDING AND PLASMA TECHNOLOGY, U.K., 1972-73); SCIENTIST EI, C.M.E.R.I. SINCE FEBRUARY, 1981.

PRESENT ACTIVITIES : R & D IN WELDING TECHNOLOGY AND ADVANCED MANUFACTURING TECHNOLOGY.

LANGUAGES : MAITHILI, HINDI, ENGLISH, GERMAN.

VISITED : SWITZERLAND, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, ARTICLES - 4, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 3.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES., DESIGN, TECHNICAL DEV., CONSULTANCY, R & D MGMT., OPERATION AND TESTING - (TOTAL: 24 YEARS).

6287

SHRI KANAI LAL DAS; (B. JULY 4, 1940),
TECHNICAL OFFICER (EI), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - WEST BENGAL '62. AMIE MECHANICAL ENGINEERING - INSTITUTION OF ENGINEERS, (INDIA) '81.

SPECIALIZATIONS : COMBUSTION; FLUIDISED BED COMBUSTION AND GASIFICATION.

EXPERIENCE : S.L.A., C.F.R.I., DHANBAD, 1963-64; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1964-88; TECHNICAL OFFICER (EI), C.M.E.R.I. SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : R & D IN COMBUSTION SYSTEMS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES., DESIGN, TECHNICAL DEV., PILOT PLANT, OPERATION, TESTING, MAINTENANCE, TECHNO-ECONOMIC SURVEYS AND PLANNING (TOTAL: 28 YEARS).

6288

SHRI SUPATI PRASANNA DAS; (B. MARCH 1, 1946),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - NORTH BENGAL '68; M.E. MECHANICAL - CALCUTTA '70; PH.D. MECHANICAL ENGG. - BURDWAN '89.

SPECIALIZATIONS : PHOTOELASTICITY; DESIGN ANALYSIS; QUALITY ASSURANCE; TECHNICAL REPORT WRITING.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1971-84; SCIENTIST EI, C.M.E.R.I. SINCE MAY, 1984.

PRESENT ACTIVITIES : R & D IN EXPERIMENTAL STRESS ANALYSIS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH. REPORTS - 17, ARTICLES - 1, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN ANALYSIS, CONSULTANCY, TEACHING EDITING AND COMPUTER PROGRAMMING - (TOTAL: 17 YEARS).

6289

DR A K DEY; (B. MARCH 17, 1950),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - BURDWAN '71; PH.D. FLUID MECHANICS & HEAT TRANSFER - AVADH '87.

SPECIALIZATIONS : CHEMICAL PLANT AND EQUIPMENT DESIGN; FLUID MECHANICS AND HEAT TRANSFER; RHEOLOGY.

EXPERIENCE : ASSISTANT MANAGER, M/S PETRO-CHEMICAL INDUSTRIES, WEST BENGAL, 1973-75; ASSISTANT FOREMAN, M/S EUREKA CHEMICALS, HALDIA, W.BENGAL, 1975-76; PRODUCTION MANAGER, M/S. ABS CHEMICAL PVT. LTD., SERAMPORE, W.BENGAL, 1976-77; SCIENTIST B, M.E.R.A.D.O., 1977-81; SCIENTIST C, M.E.R.A.D.O., 1977-81; SCIENTIST C, M.E.R.A.D.O. SINCE AUGUST, 1981.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF CHEMICAL PLANTS AND EQUIPMENTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : BURMA.

PUBLICATIONS & PATENTS : RES. PAPERS - 19, TECH. REPORTS - 5, PATENTS FILED - 1, PRODUCTS DEVELOPED - 8, PRODUCTS UNDER UTILISATION - 5.

AWARDS & DISTINCTIONS : KF ANITA MEMORIAL PRIZE FOR THE PAPER 'DESIGN OF HELICAL COIL CONDENSER', INSTITUTION OF ENGINEERS (INDIA), 1982; CERTIFICATE OF MERIT, INSTITUTION OF ENGINEERS (INDIA), '1987; SIR GANGA RAM MEMORIAL GOLD MEDAL FOR RESEARCH PAPER, INSTITUTION OF ENGINEERS (INDIA), 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 5, DESIGN - 5, PILOT PLANT - 2, R & D MGMT. - 3, CONSTRUCTION - 1, OPERATION - 5, MAINTENANCE - 3, PRODUCTION - 5, IND. MGMT. - 3, PLANNING - 3, TECHNOLOGY TRANSFER - 1, ADMINISTRATION - 3, COMPUTER PROCESS - 13.

6290

SHRI M P DHUPAR; (B. JUNE 5, 1946),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. CHEMICAL ENGINEERING - PUNJAB '68; DIPLOMA IN JOURNALISM - RAJENDRA PRASAD COLLEGE OF MASS COMMUNICATION, NEW DELHI '72.

SPECIALIZATIONS : TECHNOLOGY PROMOTION; TECHNOLOGY TRANSFER; R & D MANAGEMENT.

EXPERIENCE : GRADUATE ENGINEER TRANEE, D.C.M. CHEMICAL WORKS, 1968-69; S.T.A., N.P.L., NEW DELHI, 1969-74; SCIENTIST B AND SCIENTIST C, M.E.R.A.D.O., 1974-85; SCIENTIST EI, M.E.R.A.D.O. SINCE FEBRUARY, 1985.

PRESENT ACTIVITIES : PLANNING & LIAISON.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 13, ARTICLES - 6, COMPILATION OF LECTURE NOTES - 3, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, DESIGN - 1, PILOT PLANT - 1, TECHNO - ECONOMIC SURVEYS - 17, PLANNING - 17, TECHNOLOGY TRANSFER - 17, EDITING - 16.

6291

DR A B DUTTA; (B. OCTOBER 2, 1947),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - BURDWAN '66; M.SC.(APPLIED MATHEMATICS) - JADAVPUR '68; D.I.I.T. MAGNETO - HYDRO DYNAMICS - I.I.T., KHARAGPUR '69; PH.D. FLUID MECHANICS - I.I.T., KHARAGPUR '73.

SPECIALIZATIONS : COMPUTATIONAL FLUID MECHANICS; NUMERICAL METHODS; COMBUSTION AND GASIFICATION; FLUIDIZATION TECHNOLOGY.

EXPERIENCE : POST DOCTORAL FELLOW, C.M.E.R.I., 1973-74; POST DOCTORAL RESEARCH. W.GERMANY, 1974-76; SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1976-85; SCIENTIST EI, C.M.E.R.I. SINCE OCTOBER, 1985.

PRESENT ACTIVITIES : ENVIRONMENTAL POLLUTION; FLUIDIZED BED GASIFICATION AND COMBUSTION.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 3, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 22, APP. RES. - 17, DESIGN - 16, TECH. DEV. - 8, R&D MGMT. - 11, OPERATION - 15, TEACHING - 1, TECHNO-ECONOMIC SURVEYS - 9, PILOT PLANT - 10, CONSULTANCY - 5, ADMN - 10, COMPUTER PROCESSING-17.

6292

SHRI MANIK LAL DUTTA; (B. JANUARY 14, 1941),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '62; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '78.

SPECIALIZATIONS : SPETROCHEMICAL ANALYSIS; ANALYSIS OF MINERALS, ORES AND SILICATES; FUEL AND GAS ANALYSIS.

EXPERIENCE : CHEMIST, ALUMINIUM CORPORATION OF INDIA LTD., WEST BENGAL, 1963-64; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1964-89; SCIENTIST EI, C.M.E.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : TESTING AND DEVELOPMENT OF NEW ANALYTICAL METHOD.

LANGUAGES : BENGALI, HINDI, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RES. AND TESTING - 28.

6293

SHRI C L GARG; (B. MAY 17, 1941),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - PUNJAB '61.

SPECIALIZATIONS : HYDRAULIC PUMPS; CROP PROTECTION EQUIPMENT; IRRIGATION PUMPS; LPG APPLIANCES.

EXPERIENCE : TECHNICAL APPRENTICE AND SR. D/MAN, B.H.E.L., BHOPAL, 1961-65; S.S.A., C.M.E.R.I., DURGAPUR, 1965-66; S.S.A., SCIENTIST A AND SCIENTIST B, M.E.R.A.D.O., 1966-80; SCIENTIST C, M.E.R.A.D.O., SINCE MAY, 1980.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT OF INDUSTRIAL MACHINES, HYDRAULIC PUMPS AND CROP PROTECTION MACHINES.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 4, SCIENTIFIC BOOKS - 1, ARTICLES - 4, PATENTS TAKEN - 2, PROCESSED DEVELOPED - 11, PROCESSED UNDER UTILISATION - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 8, DESIGN - 5, TECHNICAL DEV. - 5, CONSULTANCY - 5, TESTING - 1, TECHNO-ECONOMIC SURVEYS - 1.

6294

SHRI SUMER CHAND JAIN; (B. MARCH 11, 1940),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - DELHI '60; A.M.I.E. MECHANICAL ENGINEERING - INSTITUTION OF ENGINEERS (INDIA) '85.

SPECIALIZATIONS : VIBRATION AND NOISE CONTROL.

EXPERIENCE : J.L.A. AND S.L.A., N.P.L., NEW DELHI, 1960-65; S.S.A., SCIENTIST A SCIENTIST B, AND SCIENTIST C, C.M.E.R.I., 1965-91; SCIENTIST EI, C.M.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, BENGALI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 12, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, DESIGN - 22, TECHNICAL DEVELOPMENT - 30, CONSULTANCY - 20, TESTING - 28.

6295

SHRI M JAYADEV; (B. MAY 13, 1943),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BOARD OF TECH. EDUCATION, KARNATAKA '61; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '78.

SPECIALIZATIONS : MECHANICAL TESTING OF MATERIALS; TRIBOLOGY; MACHINE DESIGN.

EXPERIENCE : DRAWING INSTRUCTOR, INDUSTRIAL TRAINING INSTITUTE, BANGALORE, 1961-62; S.L.A., R.R.L., HYDERABAD, 1962-64; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1964-88; SCIENTIST EI, C.M.E.R.I. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : TESTING AND EVALUATION OF MECHANICAL PROPERTIES OF MATERIALS.

LANGUAGES : TELUGU, HINDI, BENGALI, KANNADA, MALAYALAM, ENGLISH.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DESIGN AND DEVELOPMENT FOR CREEP TESTING MACHINE, 1972.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 22, QUALITY CONTROL - 20, TEACHING - 1.

6296

SHRI B B JHA; (B. OCTOBER 31, 1959),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. ENGINEERING METALLURGY - RANCHI '81; M.SC. METALLURGY - I.I.T., MADRAS '89.

SPECIALIZATIONS : ACOUSTIC EMISSION TESTING TECHNIQUES; METALLOGRAPHY/REPLICATION TECHNIQUES; NON-DESTRUCTIVE TESTING TECHNIQUES.

EXPERIENCE : TRAINEE, BHABHA ATOMIC RESEARCH CENTRE, TROMBAY, 1982-83; SCIENTIFIC OFFICER (C) AND SCIENTIFIC OFFICER (D), INDIRA GANDHI CENTRE FOR ATOMIC RESEARCH, KALPAKKAM, 1983-91; SCIENTIST EI, C.M.E.R.I. SINCE MAY, 1991.

PRESENT ACTIVITIES : APPLIED RESEARCH IN METALLOGRAPHY & NON-DESTRUCTIVE TESTING FAILURE ANALYSIS, ACOUSTIC EMISSION TESTING, ETC.

LANGUAGES : HINDI, ENGLISH, BENGALI, TAMIL, SANSKRIT.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APP. RES. - 2.

6297

SHRI KRISHNA GOPAL KUSHARI; (B. FEBRUARY 5, 1940),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - WEST BENGAL '62; B.SC. - BURDWAN '71; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '71; M.E. MECHANICAL - ALLAHABAD '79.

SPECIALIZATIONS : MECHANICAL VIBRATIONS; MECHANICAL PROPERTIES OF MATERIALS; HIGH TEMPERATURE METALLIC CREEP; FAILURE ANALYSIS.

EXPERIENCE : TECHNICAL APPRENTICE AND ASSISTANT RATE FIXER, HEAVY ELECTRICALS (I) LTD., BHOPAL, 1962-65; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, 1965-88; SCIENTIST EI, C.M.E.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : R & D ON VIBRATION AND NOISE CONTROL.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 40.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD AWARD FOR THE DESIGN AND DEVELOPMENT OF A COMMERCIAL CREEP TESTING UNIT, 1974.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 23.

6298

SHRI TAPAN MAHATA; (B. AUGUST 24, 1941),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - W. BENGAL '63; A.M.I.E. - INSTITUTION OF ENGINEERS (INDIA) '78.

SPECIALIZATIONS : MECHANICAL ENGINEERING; PRODUCTION TECHNOLOGY.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., PRINCIPAL FOREMAN, SCIENTIST B AND SCIENTIST C, C.M.E.R.I. 1964-89; SCIENTIST EI, C.M.E.R.I. SINCE DECEMBER, 1 1989.

PRESENT ACTIVITIES : PRODUCTION AND MAINTENANCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS): R & D - 10, PRODUCTION - 23, INDUSTRIAL

6299

SHRI BAIDYANATH MAITRA; (B. SEPTEMBER 27, 1948),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. ELECTRICAL - BURDWAN '69; FULL TIME TRAINING COURSE IN ENTREPRENEURS' BUSINESS MANAGEMENT - INDO

SPECIALIZATIONS : PROJECT MANAGEMENT.

EXPERIENCE : GRADUATE ENGINEER TRAINEE, M/S MACNEILL & MAGOR LTD., CALCUTTA, 1970; ASSTT. ENGINEER, M/S HASTINGS MILLS LTD., CALCUTTA, 1971-73; ENGINEER, M/S ELECTRIC CONSTRUCTION & EQUIPMENT CO. LTD., CALCUTTA, 1973-74; DY. PROJECT ENGINEER, NATIONAL DAIRY DEVELOPMENT BOARD, ANAND, 1974-77; SR. DAIRY ENGINEER, M/S APV ENGINEERING CO. LTD., CALCUTTA, 1977; SALES ENGINEER IN-CHARGE, M/S HIND GALV. & ENGG. CO. LTD., 1977-79; SCIENTIST C, C.M.E.R.I., 1979-87; SCIENTIST EI, C.M.E.R.I. SINCE JANUARY, 1987.

PRESENT ACTIVITIES : PROJECT MANAGEMENT.

LANGUAGES : BENGALI, HINDI, GUJARATI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 3, R & D MGMT. - 2, CONSTRUCTION - 1, TESTING - 2, MAINTENANCE - 3, PLANNING - 2, SALES MARKETING - 3, PROCUREMENT - 3.

6300

SHRI S C GUHA MAJUMDAR; (B. JANUARY 5, 1943),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - WEST BENGAL '62; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '72.

SPECIALIZATIONS : TESTING OF STRUCTURAL COMPONENTS AND PROTOTYPES.

EXPERIENCE : TECHNICAL APPRENTICE AND ASSISTANT FOREMAN, H.E.LTD.(I), BHOPAL, 1962-65; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1965-87; SCIENTIST EI, C.M.E.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : DESIGN OF TEST RIGS, FABRICATION AND TESTING OF STRUCTURES & PROTOTYPES, ADMINISTRATION WORK FOR WATER MISSION PROJECT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 2, TECHNICAL DEV. - 1, CONSULTANCY - 1, TESTING-15, MAINTENANCE - 2, PRODUCTION-3, PLANNING - 2, ADMN. - 3.

6301

SHRI S MAJUMDER; (B. DECEMBER 3, 1956),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '79; M.TECH. PRODUCTION SCIENCE AND TECHNOLOGY - I.I.T., KHARAGPUR '82.

SPECIALIZATIONS : PRODUCTION SCIENCE AND TECHNOLOGY; WELDING SCIENCE AND TECHNOLOGY; ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEMS; COMPUTER APPLICATION IN WELDING AND ALLIED PROCESSES.

EXPERIENCE : SCIENTIST B, C.M.E.R.I., 1982-91; (ALSO ADVANCED RESEARCH IN EXPERT SYSTEMS DESIGN & APPLICATION, WEST GERMANY, 1986-88); SCIENTIST EI, C.M.E.R.I. SINCE, MARCH, 1991.

PRESENT ACTIVITIES : R&D IN ROBOTICS, GUIDED VEHICLES, IMAGE PROCESSING APPLICATIONS IN INDUSTRIES.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECHNICAL DEV., CONSULTANCY, OPERATION, TESTING, QUALITY CONTROL, PRODUCTION AND COMPUTER PROCESSING - (TOTAL 6 YEARS).

6302

SHRI G V SRINIVASA MURTHY; (B. MAY 2, 1941),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. CIVIL - MYSORE '61.

SPECIALIZATIONS : SOIL MECHANICS AND FOUNDATION ENGINEERING; TOWN PLANNING; ARCHITECTURE.

EXPERIENCE : JUNIOR ENGINEER, P.W.D., GOVT. OF KARNATAKA, 1961-62; JUNIOR ENGINEER, M.S.E.B., 1962-64; RESIDENT ENGINEER, RAGHAVAVEERA & SONS, 1964-66; CIVIL ENGINEER AND SCIENTIST C, C.M.E.R.I., 1966-89; SCIENTIST EI, C.M.E.R.I. SINCE APRIL, 1989.

PRESENT ACTIVITIES : CIVIL CONSTRUCTION; INSTITUTE AND STAFF QUARTER CONSTRUCTION & MAINTENANCE.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, CONSTN., MAINTENANCE, PLANNING, ADMN. - (TOTAL 30 YEARS).

6303

SHRI S B NALAM; (B. OCTOBER 3, 1944),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - ANDHRA '62; B.E. MECHANICAL - MYSORE '67; M.TECH. MECHANICAL ENGINEERING - I.I.T., BOMBAY '70.

SPECIALIZATIONS : REFRIGERATION & AIR CONDITIONING; FOOD PROCESSING/STORAGE ENGINEERING.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1970-86; SCIENTIST EI, C.M.E.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : R & D; TESTING & EVALUATION.

LANGUAGES : TELUGU, HINDI, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 12, ARTICLES - 10, PATENTS TAKEN - 1, PATENTS FILED - 1, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 14, DESIGN - 15, TECHNICAL DEV. - 15, PILOT PLANT - 5, CONSULTANCY - 10, R & D MGMT. - 10, CONSTRUCTION - 5, OPERATION - 5, TESTING-10, QUALITY CONTROL - 5, MAINTENANCE - 10, SURVEY OF NAT. RESOURCES - 5, TECHNO-ECONOMIC SURVEYS-6, PLANNING - 5, TECHNOLOGY TRANSFER - 5.

6304

SHRI S NATARAJAN; (B. MAY 28, 1942),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - MADRAS '64; M.TECH. MECHANICAL ENGINEERING - I.I.T., KANPUR '71.

SPECIALIZATIONS : FLUID MECHANICS; MACHINE DESIGN; DYNAMICS OF MECHANICAL SYSTEMS.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1964-82; (ALSO RESEARCH IN HYDRAULIC TURBINES, W.GERMANY, 1974-76); SCIENTIST EI, M.E.R.A.D.O., MADRAS SINCE JANUARY, 1982.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT.

LANGUAGES : TAMIL, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 1, PATENTS TAKEN - 1.

AWARDS & DISTINCTIONS : LIFE MEMBER, INSTITUTE OF STANDARD ENGINEERS.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17, DESIGN - 6.

6305

DR S C NIDHI; (B. OCTOBER 11, 1944),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - BIHAR '63; B.SC.(ENGG) MECHANICAL ENGINEERING - RANCHI '67; PH.D. MECHANICAL ENGINEERING - BURDWAN '87.

SPECIALIZATIONS : TRIBOLOGY AND MACHINE DESIGN.

EXPERIENCE : J.T.A., S.S.A. AND SCIENTIST B, N.A.L., BANGALORE, 1968-73; SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1973-83; SCIENTIST EI, C.M.E.R.I. SINCE NOVEMBER, 1983.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, SANSKRIT, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 3, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 8, DESIGN - 5, TESTING & CONSULTANCY - 4.

6306

SHRI RAKESH NIGAM; (B. SEPTEMBER 20, 1946),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. AGRICULTURAL ENGINEERING - ALLAHABAD '66; M.SC. (ENGG.) FARM MACHINERY - ALLAHABAD '68.

SPECIALIZATIONS : DESIGN OF AGRICULTURAL AND INDUSTRIAL MACHINERY.

EXPERIENCE : S.R.F., C.M.E.R.I., DURGAPUR, 1968-71; SCIENTIST B AND SCIENTIST C, M.E.R.A.D.O., LUDHIANA, 1971-83; SCIENTIST EI, M.E.R.A.D.O., LUDHIANA SINCE MAY, 1983.

PRESENT ACTIVITIES : DESIGN OF INDUSTRIAL AND AGRICULTURAL MACHINERY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 8, ARTICLES - 2, PROCESSED DEVELOPED - 3, PROCESSES UNDER UTILISATION - 4.

AWARDS & DISTINCTIONS : ASPEE AWARD FOR DEVELOPMENT OF TWIN PISTON SPRAYER, INDIAN SOCIETY OF AGRICULTURE ENGINEERING, 1985-86; NRDC AWARD FOR DEVELOPMENT OF A SPRAYER, 1986-87.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 3, DESIGN - 23.

6307

SHRI PIARA SINGH PARTI; (B. APRIL 3, 1946),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - PANJAB '69.

SPECIALIZATIONS : REFRIGERATION AND AIR CONDITIONING.

EXPERIENCE : SALES ENGINEER, INDIAN REFRIGERATION INDUSTRIES, NEW DELHI, 1969-73; S.S.A., SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1973-87; SCIENTIST EI, C.M.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS-1, TECH. REPORTS - 2, PATENTS TAKEN - 2, PROCESSES DEVELOPED-2, PROCESSES UNDER UTILISATION-1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES.-15, DESIGN-4.

6308

DR MITHILESHWAR PRASAD; (B. MARCH 15, 1949),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - BIHAR '68; M.TECH. MECHANICAL- I.I.T., KANPUR '71; PH.D. MECHANICAL ENGINEERING - I.I.T., KANPUR '77.

SPECIALIZATIONS : HEAT TRANSFER; THERMODYNAMICS.

EXPERIENCE : TRAINEE, H.E.C., RANCHI, 1969; J.R.A., S.R.A. AND RESEARCH ASSOCIATE, I.I.T., KANPUR, 1970-77; SCIENTIST C, C.M.E.R.I., 1977-85; SCIENTIST EI, C.M.E.R.I. SINCE DECEMBER, 1985.

PRESENT ACTIVITIES : R & D IN THERMAL ENGINEERING.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 17.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, AND CONSULTANCY - 14.

6309

SHRI PRANAB ROY; (B. JANUARY 2, 1945),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - BURDWAN '67; M.E. MECHANICAL ENGINEERING - BURDWAN '70.

SPECIALIZATIONS : MATERIAL HANDLING; MACHINE TOOLS; POLLUTION CONTROL; METROLOGY.

EXPERIENCE : J.R.F., S.S.A., SCIENTIST B AND SCIENTIST C, C.M.E.R.I. 1968-88; SCIENTIST EI, C.M.E.R.I. SINCE APRIL, 1988. (ALSO ADVANCED TRAINING IN MATERIAL HANDLING, W. GERMANY, 1977-79).

PRESENT ACTIVITIES : R & D IN MATERIAL HANDLING SYSTEMS & EQUIPMENTS; POLLUTION CONTROL.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 10, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, DESIGN - 15, TECHNICAL DEV. - 15, CONSULTANCY - 10, TESTING - 2, TEACHING - 2.

6310

SHRI KALHAN KUMAR SANYAL; (B. JANUARY 7, 1944),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - JADAVPUR '62; B.M.E. MECHANICAL - JADAVPUR '67; M.M.E. FLUID MECHANICS AND FLUID MACHINERY - JADAVPUR '72.

SPECIALIZATIONS : FLUID MECHANICS AND MACHINERY; DESIGN OF FLUID SYSTEMS AND MACHINES; ALTERNATIVE SOURCES OF ENERGY.

EXPERIENCE : SHIFT ENGINEER, ELECTRICAL MANUFACTURING COMPANY LTD., CALCUTTA, 1967-68; TRAINEE MARINE ENGINEER, SHIPPING CORPORATION OF INDIA, CALCUTTA, 1968-69; DEVELOPMENT ENGINEER, PNEUMATIC POWER TOOLS, CALCUTTA, 1969-70; SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1973-82; SCIENTIST EI, C.M.E.R.I. SINCE SEPTEMBER, 1982.

PRESENT ACTIVITIES : R&D IN FLUID MACHINERY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : AUSTRALIA, INDONESIA, MALAYSIA.

PUBLICATIONS & PATENTS : RES. PAPERS-5, TECH. REPORTS-3, ARTICLES - 2, PATENTS TAKEN - 2, PROCESSES UNDER UTILISATION-1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.-2, APP. RES.-4, DESIGN-6, TECH. DEV. -2, PILOT PLANT-1, CONSULTANCY-1, R & D MGMT.-6, TESTING -1, MAINTENANCE-1, PRODUCTION-1.

6311

SHRI D D SEN; (B. FEBRUARY 7, 1940),

TECHNICAL OFFICER (EI), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BIHAR '62.

SPECIALIZATIONS : AUTOMOBILE ENGINEERING.

EXPERIENCE : J.T.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1963-88; TECHNICAL OFFICER (EI), C.M.E.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 2, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 15.

6312

SHRI S N SHOME; (B. FEBRUARY 28, 1958),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '80; M.TECH. PRODUCTION ENGINEERING - I.I.T., KANPUR '82.

SPECIALIZATIONS : MACHINE DESIGN; ROBOTICS; PRODUCTION TECHNOLOGY; COMPUTER-AIDED DESIGN; COMPUTER-AIDED MANUFACTURE.

EXPERIENCE : SCIENTIST B, C.M.E.R.I., 1982-91; SCIENTIST EI, C.M.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 3, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, DESIGN - 3, COMPUTER PROCESSING - 2, APP. RES. - 1.

6313

DR S L SRIMANI; (B. JULY 3, 1946),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. CIVIL - BURDWAN '69; M.TECH. STRUCTURAL ENGINEERING - I.I.T., KHARAGPUR '71; PH.D. STRUCTURAL ENGINEERING - BURDWAN '79.

SPECIALIZATIONS : ANALYSIS AND DESIGN OF STRUCTURES; STRESS ANALYSIS.

EXPERIENCE : DESIGN ASSTT. (A), R.D.S.O., LUCKNOW, 1971-73; ASSTT. ENGINEER, HOWRAH IMPROVEMENT TRUST, HOWRAH, 1973; GRADUATE ENGINEER TRAINEE, C.E.D.B. (NOW MECON), BHILAI, 1973; SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1973-85; SCIENTIST EI, C.M.E.R.I. SINCE JULY, 1985.

PRESENT ACTIVITIES : STRUCTURAL ANALYSIS AND STRESS ANALYSIS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 3, SCIENTIFIC BOOKS - 1, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES.- 4, DESIGN - 9, TECHNICAL DEV. - 3, CONSULTANCY - 3, DOCUMENTATION - 1.

6314

SHRI S SUNDARESAN; (B. JUNE 1, 1944),

TECHNICAL OFFICER (EI), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - TAMIL NADU '63.

SPECIALIZATIONS : REFRIGERATION AND AIR CONDITIONING; COLD STORAGE TECHNOLOGY.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, 1963-89; TECHNICAL OFFICER (EI), C.M.E.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., TECH. DEV., CONSULTANCY AND TESTING - (TOTAL 27 YEARS).

6315

SHRI RAM KRIPAL VARMA; (B. JANUARY 2, 1945),

SCIENTIST EI, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. AGRICULTURAL ENGINEERING - ALLAHABAD '65; M.TECH. AGRICULTURAL ENGINEERING - I.I.T., KHARAGPUR '67; M.SC. AGRICULTURAL ENGINEERING - UNIVERSITY OF GUELPH, CANADA '73.

SPECIALIZATIONS : FARM MACHINERY AND POWER; MACHINE/EQUIPMENT DESIGN.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, C.M.E.R.I., 1967-81; SCIENTIST EI, C.M.E.R.I. SINCE FEBRUARY, 1981.

PRESENT ACTIVITIES : DESIGN OF AGRICULTURAL MACHINERY; MACHINE/EQUIPMENT DESIGN.

LANGUAGES : HINDI, ENGLISH, GERMAN.

VISITED : CANADA.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 12, PATENTS TAKEN - 2, PROCESSES UNDER UTILISATION - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 24.

6316

SHRI JAYANTA ADHIKARI; (B. JULY 7, 1968),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.TECH. MECHANICAL - B.H.U. '89.

SPECIALIZATIONS : ROBOTICS AND AUTOMATION.

EXPERIENCE : SCIENTIST B, C.M.E.R.I. SINCE JULY, 1989.

6317

SHRI GOPI NATH ADHIKARY; (B. JANUARY 15, 1939),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

SPECIALIZATIONS : FABRICATION OF GLASS APPARATUS.

EXPERIENCE : GLASS BLOWER, M/S. ASSOCIATED SCIENTIFIC CORPORATION, CALCUTTA, 1956-62; GLASS BLOWER, OIL AND NATURAL GAS COMMISSION, DEHRA DUN, 1962-63; GLASS BLOWER, M/S ASSOCIATED SCIENTIFIC CORPORATION, CALCUTTA, 1963-64; CHIEF GLASS BLOWER, S.T.A. AND SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1964-89; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : FABRICATION OF GLASS AND QUARTZ APPARATUS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : GLASS BLOWING - 30.

6318

SHRI D K BAGCHI; (B. MAY 11, 1946),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - ALLAHABAD '67; B.SC.(HONS) - BURDWAN '74; M.SC. MATHEMATICS - MEERUT '84; COURSE ON PROJECT PLANNING EVALUATION CONTROL - PUNJABI '80.**SPECIALIZATIONS** : PROJECT PLANNING AND EVALUATION; PROJECT MONITORING.**EXPERIENCE** : PLANNING ASSTT., HINDALCO, RENUKOOT, 1967-70; J.T.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1971-82; SCIENTIST B, C.R.R.I., NEW DELHI, 1982-84; SCIENTIST B, C.M.E.R.I., 1984-87; SCIENTIST C, C.M.E.R.I. SINCE MARCH, 1987.**PRESENT ACTIVITIES** : PLANNING, MONITORING AND EVALUATION OF PROJECTS.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : TECHNICAL DEV. - 17, R & D MGMT. - 17, PLANNING - 17, COMPUTER PROCESSING - 2.

6319

DR H BAGCHI; (B. JANUARY 10, 1946),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - BURDWAN '67; M.TECH. DESIGN AND PRODUCTION ENGINEERING - BURDWAN '69; PH.D. TRIBOLOGY - POONA '76.**SPECIALIZATIONS** : INDUSTRIAL MACHINES DESIGN; MACHINE TOOLS; TRIBOLOGY; OPERATIONS RESEARCH.**EXPERIENCE** : S.R.F., SCIENTIST B AND SCIENTIST C, AND SCIENTIST EI M.E.R.A.D.O., POONA 1970-88; SCIENTIST EII, M.E.R.A.D.O., PUNE SINCE JANUARY, 1988.**PRESENT ACTIVITIES** : DESIGN AND DEVELOPMENT OF INDUSTRIAL MACHINERY.**LANGUAGES** : BENGALI, HINDI, ENGLISH. GERMAN.**PUBLICATIONS & PATENTS** : RES. PAPERS - 18, TECH. REPORTS - 1, PATENTS TAKEN - 4, SCIENTIFIC BOOKS - 2, PATENTS FILED - 1, PROCESSES UNDER UTILISATION - 1.**AWARDS & DISTINCTIONS** : NRDC AWARD FOR DEVELOPMENT OF A MAGNETIC PARTICLE CLUTCH, 1977.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 10, APP. RES. 10, DESIGN - 18, TECH. DEV. - 15, CONSULTANCY - 10, PRODUCTION - 10, IND. MGMT. - 5.

6320

SHRI AMALKANTI BANDYOPADHYAY; (B. JULY 18, 1944),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - W.BENGAL '63; B.SC. - BURDWAN '72.**SPECIALIZATIONS** : WELDING TECHNOLOGY.**EXPERIENCE** : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1964-80; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE APRIL, 1980.**PRESENT ACTIVITIES** : R & D IN WELDING TECHNOLOGY.**LANGUAGES** : BENGALI, HINDI, SANSKRIT, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 10, TECH. REPORTS - 2, ARTICLES - 4, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 1.**AWARDS & DISTINCTIONS** : INVENTIONS PROMOTION BOARD COMMENDATION FOR DEVELOPING A ZINC SOLDERING PROCESS WITHOUT ADDITION OF SOLDER, 1968; INVENTIONS PROMOTION BOARD AWARD FOR DEVELOPING ALL ALUMINIUM CONDENSER, 1972.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 10, DESIGN - 2, TECH. DEV. - 5, CONSULTANCY - 2, TESTING - 5, TECHNOLOGY TRANSFER - 1.

6321

SHRI TAPAN KUMAR BANDYOPADHYAY; (B. JUNE 2, 1939),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '59.**SPECIALIZATIONS** : EVALUATION OF FUELS AND LUBRICANTS.**EXPERIENCE** : J.L.A., CENTRAL FUEL RESEARCH INSTITUTE, DHANBAD, 1960-62; S.L.A., J.S.A. AND S.S.A., INDIAN INSTITUTE OF PETROLEUM, DEHRA DUN, 1962-65; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., DURGAPUR, 1965-81; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE DECEMBER, 1981.**PRESENT ACTIVITIES** : R & D IN FUELS AND LUBRICANTS.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 2, ARTICLES - 3.**PROFESSIONAL EXPERIENCE(IN YEARS)** : TECHNICAL DEV. - 18, APP. RES. - 10, TESTING - 10.

6322

SHRI AMIT JYOTI BANERJEE; (B. NOVEMBER 20, 1956),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '77; M.S. PRODUCTION ENGINEERING - VSST, CZECHOSLOVAKIA '83.**SPECIALIZATIONS** : MANUFACTURING; METAL CUTTING AND MACHINE TOOL DESIGN; COMPUTER NETWORK COMMUNICATION TECHNOLOGY; COMPUTER-AIDED DESIGN; COMPUTER-AIDED MANUFACTURE.**EXPERIENCE** : COMECON SCHOLARSHIP, GOVT OF CZECHOSLOVAKIA FOR ENGINEERING STUDIES, VSST, CZECHOSLOVAKIA 1978-83; TRAINEE, M/S TST, TITAGARH, 1984; APPLICATION ENGINEER, M/S BFW, LTD., BANGALORE, 1984-88; LECTURER, INDIRA GANDHI INSTITUTE OF TECHNOLOGY, ORISSA, 1988-89; SCIENTIST C, C.M.E.R.I. SINCE AUGUST, 1989.**PRESENT ACTIVITIES** : APPLIED RESEARCH; DESIGN; TECHNICAL DEVELOPMENT; TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH, CZECH.

VISITED : CZECHOSLOVAKIA.

PROFESSIONAL EXPERIENCE(IN YEARS) : TEACHING - 1.5, APP. RES. - 2, PRODUCTION - 1, MARKETING - 3.

6323

SHRI DEBABRATA BANERJEE; (B. APRIL 16, 1938),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - B.H.U. '63; P.G. DIPLOMA IN SPECTROSCOPY - B.H.U. '65.

SPECIALIZATIONS : SPECTROSCOPY; ANALOG AND DIGITAL INSTRUMENTATION.

EXPERIENCE : INSTRUMENTS TECHNICIAN, T.E.L.C.O., 1961-62; ASSTT. SCIENCE TEACHER, CMAB INTER COLLEGE, 1963-64; J.S.A., S.S.A., SCIENTIST A AND TECHNICAL OFFICER (B), C.M.E.R.I., 1965-88; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. PAPERS - 2, PATENTS FILED - 1, PROCESSES DEVELOPED - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 7, TECHNICAL DEV. - 11, TESTING - 3, MAINTENANCE - 2.

6324

SHRI U K BARUA; (B. JANUARY 2, 1955),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - BURDWAN '79; M.E. MECHANICAL - BURDWAN '82.

SPECIALIZATIONS : MACHINE DESIGN; PRODUCT DEVELOPMENT.

EXPERIENCE : SCIENTIST B, C.M.E.R.I., 1982-87; SCIENTIST C, C.M.E.R.I. SINCE JUNE, 1987.

PRESENT ACTIVITIES : MACHINE DESIGN; PRODUCT DEVELOPMENT OF EPOXY COMPOSITE/CONCRETE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 6, TECHNICAL DEV. - 6.

6325

SHRI PREMANANDA BASU; (B. OCTOBER 20, 1938),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '62; L.M.E. - WEST BENGAL '66.

SPECIALIZATIONS : INSTRUMENTATION; FURNACE AND TEMPERATURE CONTROL SYSTEMS; PROCESS PLANT DESIGN, FABRICATION AND TESTING; RELIABILITY INVESTIGATION OF GAS CYLINDERS, VALVES AND OTHER PROCESS CHAMBERS.

EXPERIENCE : ESTIMATOR, M/S KUSUM ENGINEERING CO. LTD., SODEPUR (W.B), 1962-64; PRODUCTION SUPERVISOR, M/S RESEARCH AND CONTROL EQUIPMENTS CO. LTD., 1964-68; J.S.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1968-81; SCIENTIST B, C.M.E.R.I., 1981-86; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 8, DESIGN - 6, TECHNICAL DEV. - 2, PILOT PLANT - 1, CONSULTANCY - 1, CONSTRUCTION - 6, TESTING - 8, PRODUCTION - 4, PLANNING - 2.

6326

SHRI A K BHATTACHARJEE; (B. FEBRUARY 2, 1939),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN COMMERCIAL ART - GOVT. COLLEGE OF ART AND CRAFT, CALCUTTA '63.

SPECIALIZATIONS : PUBLICITY ART WORK; EXHIBITION PLANNING AND DESIGN; INTERIOR DECORATION; SCULPTURE MAKING; VIDEOGRAPHY.

EXPERIENCE : ASSISTANT LAYOUT ARTIST, LAYOUT ARTIST AND SCIENTIST B, C.M.E.R.I., 1965-86; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE SEPTEMBER, 1986.

PRESENT ACTIVITIES : EXHIBITION PLANNING AND DESIGN; PUBLICITY ART WORK AND VIDEOGRAPHY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 18, PLANNING - 18, REPROGRAPHY - 18, PUBLICITY - 18, VIDEOGRAPHY - 3.

6327

SHRI PARTHA BHATTACHARJEE; (B. FEBRUARY 15, 1962),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6328

SHRI PRAMOD BHUSAN; (B. OCTOBER 15, 1959),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6329

SHRI ARUN KUMAR BISWAS; (B. JANUARY 13, 1942),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - W.BENGAL '62.

SPECIALIZATIONS : GEAR METROLOGY; METROLOGY IN REVERSE ENGINEERING; DIMENSIONAL ENGINEERING METROLOGY; INDUSTRIAL METROLOGY.

SPECIALIZATIONS : GEAR METROLOGY; METROLOGY IN REVERSE ENGINEERING; DIMENSIONAL ENGINEERING METROLOGY; INDUSTRIAL METROLOGY.

EXPERIENCE : TECHNICAL APPRENTICESHIP AND ASSTT. FOREMAN INSPECTOR (GRADE I) B.H.E.L., BHOPAL, 1962-65; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1965-82; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE MAY, 1982.

PRESENT ACTIVITIES : R & D IN PRECISION MEASUREMENTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 12, CONSULTANCY - 2, TESTING - 6, QUALITY CONTROL - 5, MAINTENANCE - 1.

6330

SHRI R K BISWAS; (B. JANUARY 4, 1958),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. ENGINEERING (MECHANICAL) - RANCHI '82.

SPECIALIZATIONS : TRIBOLOGY; PRODUCTION AND DESIGN ENGINEERING; VIBRATION AND NOISE CONTROL.

EXPERIENCE : SCIENTIST B, C.M.E.R.I., 1983-88; SCIENTIST C, C.M.E.R.I. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : DESIGN, TESTING, DEVELOPMENT AND R&D WORK.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, DESIGN - 2, TECHNICAL DEV. - 1, CONSULTANCY - 1, R & D MGMT. - 2, TESTING - 5, MAINTENANCE - 1.

6331

SHRI PROBHAT KUMAR BOSE; (B. NOVEMBER 3, 1939),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.C.E. - WEST BENGAL '61.

SPECIALIZATIONS : CIVIL CONSTRUCTION; STRUCTURAL DESIGN; PROTOTYPE TESTING.

EXPERIENCE : OVERSEER/ESTIMATOR, M/S. H. CHAKRABORTY (P) LTD., CALCUTTA, 1961-62; STRUCTURAL DRAFTSMAN, N.N. DASTUR & CO.(P) LTD., CALCUTTA, 1962-64; ENGG. ASSTT. M.A.M.C. LTD., 1964-66; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1966-83; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE JANUARY, 1983.

PRESENT ACTIVITIES : LABORATORY TESTING INCLUDING MODEL CASTING; STRESS ANALYSIS & PHOTOELASTIC STUDY; ERECTION AND ASSEMBLY OF PROTOTYPES; FERRICATION, WELDING, ERECTION, ASSEMBLY & COMMISSIONING AND TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH, FRENCH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 2, CONSULTANCY - 2, CONSTN. - 8, TESTING - 10, MAINTENANCE - 2, PLANNING - 2.

6332

SHRI A K CHAKRABERTTY; (B. MAY 18, 1939),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN PRINTING AND GRAPHIC ARTS - SCHOOL OF PRINTING, JADAVPUR '59.

SPECIALIZATIONS : OFFSET PRINTING; DESIGN AND LAYOUT FOR TECHNICAL JOURNALS; DESIGN OF P C B.

EXPERIENCE : APPRENTICE AND RETOUCHING ARTIST, EAGLE LITHOGRAPHY CALCUTTA, 1959-63; LABORATORY ASSISTANT, SCIENCE COLLEGE, CALCUTTA, 1963-65; LITHOGRAPHER, S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1965-88; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : LITHO PRINTING, DESIGN AND LAYOUT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : EDITING - 5, DOCUMENTATION - 10, REPROGRAPHY - 25.

6333

SHRI A K CHAKRABORTY; (B. MAY 7, 1940),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN CRAFTSMANSHIP - DIRECTORATE OF RESETTLEMENT AND EMPLOYMENT '57; ARTISAN TRAINEE - H.E.L., BHOPAL '60.

SPECIALIZATIONS : FITTING AND ASSEMBLY.

EXPERIENCE : B GRADE ARTISAN AND A GRADE ARTISAN, B.H.E.L. BHOPAL, 1960-65; J.T.A. & PRINCIPAL FOREMAN AND WORKSHOP SUPERINTENDENT B, C.M.E.R.I., 1965-87; TECHNICAL OFFICER C, C.M.E.R.I. SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : MAINTENANCE & ERECTION OF MACHINE TOOLS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 28, PRODN. - 12.

6334

SHRI H D CHAKRABORTY; (B. JANUARY 28, 1943),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BURDWAN '64; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '78.

SPECIALIZATIONS : MECHANICAL ENGINEERING; TURBOMACHINERY.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I. 1966-87; SCIENTIST C, C.M.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN TURBOMACHINERY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 4, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. 21, DESIGN - 15, TECH. DEV. - 15.

6335

SHRI M K CHANDA; (B. DECEMBER 15, 1942),
TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - JAMSHEDPUR TECHNICAL INSTITUTE '61; CERTIFICATE IN BOILER COMPETENCY - WEST BENGAL '64.

SPECIALIZATIONS : BOILER HOUSE TECHNOLOGY; MECHANICAL MAINTENANCE.

EXPERIENCE : BOILER FITTER, TATA'S POWER HOUSE, JAMSHEDPUR, 1961-64; SUB. ASSISTANT ENGINEER, STATE ELECTRICITY BOARD, W. BENGAL, 1964-69; S.S.A., SCIENTIST A AND TECHNICAL OFFICER (B), C.M.E.R.I., 1969-88; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : R & D; OPERATION AND MAINTENANCE OF STEAM BOILERS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 1, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, CONSTN. - 4, OPERATION - 13, MAINTENANCE - 23.

6336

SHRI ABHIJIT CHATTERJEE; (B. SEPTEMBER 16, 1960),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6337

SMT ANAJALI CHATTERJEE; (B. NOVEMBER 19, 1962),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6338

SHRI P K CHATTERJEE; (B. JUNE 14, 1958),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - BURDWAN '80.

SPECIALIZATIONS : COMBUSTION AND GASIFICATION OF SOLID FUEL; NUMERICAL METHODS & COMPUTATION; FLUIDIZATION TECHNOLOGY; DESIGN AND ERECTION OF FURNACES.

EXPERIENCE : JR. MANAGER, UNIVERSAL ENTERPRISES, BOKARO STEEL PLANT, BOKARO, 1980-83; SCIENTIST B, C.M.E.R.I., 1983-88; SCIENTIST C, C.M.E.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : R & D IN ENERGY SYSTEMS; FLUIDIZATION TECHNOLOGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, DESIGN - 3, TECHNICAL DEV. - 1, TESTING - 3, MAINTENANCE - 3, COMPUTER PROCESSING - 6.

6339

SHRI A K CHOUDHURY; (B. JULY 2, 1957),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. METALLURGY - CALCUTTA '80; M.E. PHYSICAL METALLURGY - CALCUTTA '82.

SPECIALIZATIONS : PHYSICAL METALLURGY OF STEEL AND NICKEL BASED ALLOYS.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, D.R.D.O., 1983-91; SCIENTIST C, C.M.E.R.I. SINCE OCTOBER, 1991.

PRESENT ACTIVITIES : DEVELOPMENT OF SPARE PARTS.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 1.

6340

SHRI JOYDEB ROY CHOUDHURY; (B. DECEMBER 30, 1956),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '78; B.TECH. INSTRUMENTATION - JADAVPUR '83; M.E. TELECOMMUNICATION - JADAVPUR '87.

SPECIALIZATIONS : MICROPROCESSOR BASED SYSTEMS DESIGN; PERSONAL COMPUTER BASED SYSTEM DESIGN; INSTRUMENTATION DEVELOPMENT; COMPUTER INTERFACE DESIGN.

EXPERIENCE : TRAINEE, M/S VXL INDIA LTD., 1979-80; ASSOCIATE ENGINEER, M/S MMC DIGITAL SYSTEM, 1983-85; R & D EMR, M/S WEIS MATIC INDIA PVT. LTD., 1986-87; SYSTEM ENGINEER AND ASSISTANT MANAGER (SYSTEMS), M/S WEBFIL LTD., 1987-91; SCIENTIST C, C.M.E.R.I. SINCE JUNE, 1991.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT MICROPROCESSOR BASED SYSTEM.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 2, TESTING - 1, TECH. DEV. - 2, R & D MANAGEMENT - 2.

6341

SHRI S CHOWDHURY; (B. APRIL 20, 1937),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN REFRIGERATION AND AIR CONDITIONING - MINISTRY OF LABOUR '56; SPECIALISED COURSE IN REFRIGERATION AND AIRCONDITIONING - ROORKEE UNIVERSITY '69.

SPECIALIZATIONS : REFRIGERATION AND AIR CONDITIONING.

EXPERIENCE : TECHNICAL PERSONNEL, M/S UNIVERSAL REFRIGERATION CORPN. LTD., CALCUTTA, 1956-58; SUPERVISOR, M/S SREE MAHABIR COLD STORAGE, PURNIA, 1958-59; SENIOR ERECTOR, M/S AIRCONDITIONING

CORPORATION LTD., DURGAPUR, 1959-66; S.T.A., SCIENTIST A AND TECHNICAL OFFICER (B), C.M.E.R.I., 1966-87; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE JULY, 1987.

PRESENT ACTIVITIES : R & D AND MAINTENANCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TECHNICAL DEV. - 5, CONSULTANCY - 1, CONSTRUCTION - 8, OPERATION - 5, TESTING - 3, MAINTENANCE - 21, ADMN. - 10.

6342

SHRI D R DAS; (B. JUNE 24, 1944),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - DIBRUGARH '70.

SPECIALIZATIONS : INTERNAL COMBUSTION ENGINES.

EXPERIENCE : SALES ENGINEER, RANCHI MACHINE TOOL CORPORATION, RANCHI, 1970-71; J.R.F., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1971-87; SCIENTIST C, C.M.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : PLANNING AND EXECUTION OF PROTOTYPE FABRICATION.

LANGUAGES : BENGALI, HINDI, ASSAMESE, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, DESIGN - 2, TECH. DEV. - 2, TESTING - 5, QUALITY CONTROL - 2, MAINTENANCE - 2, PLANNING - 1.

6343

SHRI DILIP KUMAR DAS; (B. JANUARY 3, 1941),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - WEST BENGAL '61.

SPECIALIZATIONS : MECHANICAL ENGINEERING; DESIGN OF AGRICULTURAL AND INDUSTRIAL MACHINERY.

EXPERIENCE : TEACHER, BAKULTALA H.S. AND MULTI-PURPOSE SCHOOL, 1962; GRADUATE APPRENTICE, N.M.L., JAMSHEDPUR, 1962-64; GRADUATE APPRENTICE, J.S.A., S.T.A., SCIENTIST A AND TECHNICAL OFFICER (B), C.M.E.R.I., 1965-87; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE AUGUST, 1987.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF INDUSTRIAL AND AGRICULTURAL MACHINES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 25, PILOT PLANT - 2, TEACHING - 1.

6344

SHRI MRINAL KANTI DAS; (B. NOVEMBER 23, 1940),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - WEST BENGAL '62.

SPECIALIZATIONS : PRECISION MEASUREMENTS; METROLOGY OF MINIATURE COMPONENTS; INDUSTRIAL METROLOGY.

EXPERIENCE : TECHNICAL APPRENTICESHIP AND ASSTT. FOREMAN INSPECTOR (GRADE I) B.H.E.L., BHOPAL, 1962-65; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1965-83; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE MAY, 1983.

PRESENT ACTIVITIES : R & D IN METROLOGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 10, CONSULTANCY - 2, TESTING - 9, QUALITY CONTROL - 4, MAINTENANCE - 1.

6345

DR(MISS) REETA DAS; (B. SEPTEMBER 5, 1954),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : M.SC. MATHEMATICS - UTKAL '76; D.I.T. MAGNETO-FLUID DYNAMICS - I.I.T., KHARAGPUR '78; PH.D. MATHEMATICS - I.I.T., KHARAGPUR '82.

SPECIALIZATIONS : COMPUTATIONAL FLUID DYNAMICS AND HEAT TRANSFER.

EXPERIENCE : SCIENTIST, DRDO, 1985-87; SENIOR SCIENTIFIC OFFICER, I.I.T., KHARAGPUR, 1987-91; SCIENTIST C, C.M.E.R.I. SINCE JULY, 1991.

PRESENT ACTIVITIES : R & D; SOFTWARE DEVELOPMENT.

LANGUAGES : ORIYA, ENGLISH, HINDI, BENGALI.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 3, ARTICLES - 1.

AWARDS & DISTINCTIONS : SILVER JUBILEE RESEARCH AWARD FOR BEST TECHNICAL PAPER, I I T, KHARAGPUR, 1985.

6346

SHRI RANJAN KUMAR DASGUPTA; (B. JANUARY 5, 1946),

SCIENTIST C. CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '64; A.I.I.M. - INDIAN INSTITUTE OF METALS '79; M.TECH.(EXTRACTIVE METALLURGY) '90.

SPECIALIZATIONS : METALLURGY; MATERIALS TESTING.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, 1965-86; SCIENTIST C, C.M.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D; TESTING OF METALS AND ALLOYS; DEVELOPMENT WORK ON METALLURGY/MATERIALS SCIENCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. AND TESTING.

6347

SHRI SUKANTA K DASH; (B. JUNE 15, 1961),
SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.TECH. MECHANICAL ENGINEERING - I.I.T., KHARAGPUR '84; M.TECH. THERMAL ENGINEERING - I.I.T., KHARAGPUR '86; PH.D. THERMAL ENGINEERING - I.I.T., KHARAGPUR '89.

SPECIALIZATIONS : COMPUTATIONAL FLUID; THERMODYNAMICS; MECHANICS AND HEAT TRANSFER.

EXPERIENCE : ENGINEER TRAINEE, MARUTI UDYOG LTD., GURGAON, 1984-85; SCIENTIST C, C.M.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : ORIYA, BENGALI, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, TEACHING - 1, APP. RES. - 1.

6348

MRS UMA DATTA; (B. JANUARY 2, 1958),
SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '78; B.TECH. ELECTRONICS - CALCUTTA '81.

SPECIALIZATIONS : DIGITAL INSTRUMENTATION; ROBOTICS; ANALOG INSTRUMENTATION.

EXPERIENCE : J.R.F. AND SCIENTIST B, C.M.E.R.I., 1982-88; SCIENTIST C, C.M.E.R.I. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. PAPERS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9.

6349

SHRI PRANESH CHANDRA DEBNATH; (B. JANUARY 31, 1937),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '57; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '79.

SPECIALIZATIONS : CHEMICAL ANALYSIS.

EXPERIENCE : S.L.A. AND J.S.A., N.M.L., JAMSHEDPUR, 1960-65; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1965-84; SCIENTIST C, C.M.E.R.I. SINCE JANUARY, 1984.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS OF METALS AND ALLOYS.

LANGUAGES : BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD COMMENDATION FOR DEVELOPMENT OF THE PROCESS "SOLDERING OF ALUMINIUM TO ALUMINIUM, 1966.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 28, TEACHING - 2.

6350

SHRI P K GANGULY; (B. FEBRUARY 3, 1942),
TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.A. - CALCUTTA '73; DIPLOMA IN PROJECT MANAGEMENT - PUNJABI '80.

SPECIALIZATIONS : INFORMATION DISSEMINATION; VIDEOGRAPHY.

EXPERIENCE : L.D.C., STENO-TYPIST, JR. STENO, SR. STENO, SR. P.A. AND TECHNICAL OFFICER (B), C.M.E.R.I., 1963-86; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE SEPTEMBER, 1986.

PRESENT ACTIVITIES : INFORMATION DISSEMINATION AND VIDEOGRAPHY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : ADMN. - 12, EDITING - 1, VIDEOGRAPHY - 3.

6351

SHRI R M GANGULY; (B. AUGUST 25, 1942),
TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '62.

SPECIALIZATIONS : TECHNOLOGY UTILIZATION.

EXPERIENCE : APPRENTICE, KHARDAH JUTE MILLS, 24 - PARGANAS, W. BENGAL, 1962-64; J.L.A., C.M.R.S., DHANBAD, 1964-65; S.L.A., J.S.A., S.S.A., TECHNICAL OFFICER (A) AND TECHNICAL OFFICER (B), C.M.E.R.I., 1965-89; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : TECHNOLOGY TRANSFER.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 1, QUALITY CONTROL - 1, TECHNOLOGY TRANSFER - 23.

6352

SHRI B K GHOSH; (B. JANUARY 30, 1941),
TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '62.

SPECIALIZATIONS : HEAT TREATMENT; MATERIALS FAILURE ANALYSIS; BEHAVIOUR OF MATERIALS AND ALLOYS.

EXPERIENCE : LABORATORY ASSISTANT (GRADE I), DURGAPUR STEEL PLANT, 1962-66; J.S.A., S.T.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1966-86; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : SERVICE FAILURE ANALYSIS AND RESIDUAL LIFE ASSESSMENT OF THERMAL POWER AND CHEMICAL PLANTS; RURAL DEVELOPMENTAL WORKS, DESIGNING OF HEAT TREATMENT CYCLES OF METALS & ALLOYS; R&D WORKS; PROJECT WORKS ETC.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 450, PATENTS TAKEN - 2.

AWARDS & DISTINCTIONS : CASH PRIZE AND CERTIFICATE AS A BEST METALLOGRAPHER, INDIAN INSTITUTE OF METALS, 1976.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 20, CONSULTANCY - 10, TESTING - 15, QUALITY CONTROL - 3, MAINTENANCE - 10.

6353

SHRI B N GHOSH; (B. JAN 25, 1935),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : I.SC.(ARGI.) - CALCUTTA '54.

SPECIALIZATIONS : HORTICULTURE; ARBORICULTURE; FORESTRY.

EXPERIENCE : FIELD ASSISTANT, DURGAPUR STEEL PROJECT, 1958-60; GARDEN OVERSEER, HORTICULTURAL SUPERINTENDENT AND SCIENTIST B, C.M.E.R.I., 1960-86; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE SEPTEMBER, 1986.

PRESENT ACTIVITIES : DEVELOPMENT AND MAINTENANCE OF PARKS AND GARDENS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 30, MAINTENANCE - 30, PLANNING - 20.

6354

SHRI DILIP KUMAR GHOSH; (B. JUNE 1, 1944),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.C.E. - WEST BENGAL '65.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; CIVIL ENGINEERING.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.T.A., SCIENTIST A AND TECH. OFF. (B), 1966-88; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : STRUCTURAL DESIGNS, DRAWINGS AND ESTIMATES FOR FACTORY SHEDS; SPONSORED PROJECTS; R.C.C. DESIGNS, DRAWINGS AND ESTIMATES FOR BUILDING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES PAPERS - 4, HANDBOOK - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 19, CONSULTANCY - 24, CONSTRUCTION - 1, MAINTENANCE - 1.

6355

SHRI MANOHAR CHANDRA GHOSH; (B. NOVEMBER 15, 1944),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - WEST BENGAL '64.

SPECIALIZATIONS : MECHANICAL ENGINEERING; MACHINE DESIGN.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.T.A., SCIENTIST A AND TECHNICAL OFFICER (B), 1965-88; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : DEVELOPMENT OF EPOXY CONCRETE TECHNOLOGY; DATA GENERATION OF DIFFERENT PROPERTIES OF THE MATERIALS.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, DRAWING & TECHNICAL DEV. - 25, EPOXY CONCRETE TECHNOLOGY - 1 1/2.

6356

SHRI SANDIP KUMAR GHOSH; (B. DECEMBER 20, 1961),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - BURDWAN '85; M.E. ANALYSIS & DESIGN - ALLAHABAD '89.

SPECIALIZATIONS : ANALYSIS AND DESIGN OF PROCESS EQUIPMENTS; ASSEMBLY AND TESTING OF PUMPS AND COMPRESSORS.

EXPERIENCE : ENGG. (ASSEMBLY & TESTING), B.P.C.L., ALLAHABAD, 1985-90; LECTURER, R.E. COLLEGE, DURGAPUR, 1990-91; SCIENTIST C, C.M.E.R.I. SINCE JUNE, 1991.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : ASSEMBLY CONSTRUCTION - 5, TEACHING - 5, OPERATION - 5, TESTING - 5, TECH. DEV. - 5, MAINTENANCE - 5, PRODUCTION - 5, IND. MANAGEMENT - 5.

6357

SHRI MANORANJAN HALDAR; (B. JUNE 1, 1940),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN AUTOMOBILE ENGINEERING - A.T.T.I., CALCUTTA '63.

SPECIALIZATIONS : I C ENGINES.

EXPERIENCE : J.S.A. S.T.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1965-87; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE APRIL, 1987.

PRESENT ACTIVITIES : MAINTENANCE AND TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV., TESTING AND MAINTENANCE - (TOTAL 23 YEARS).

6358

SHRI SIRAJUL ISLAM; (B. JULY 17, 1939),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '60.

SPECIALIZATIONS : MATERIALS TESTING; TRIBOLOGY; FERROGRAPHY AND VIBRATION ANALYSIS.

EXPERIENCE : SCIENCE TEACHER, MEJIA HIGH SCHOOL, BANKURA, 1960-63; LABORATORY ASSISTANT, BENGAL PAPER MILLS, RANIGANJ, 1963-64; J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND TECHNICAL OFFICER (B), C.M.E.R.I., 1964-90; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE JANUARY, 1990.

PRESENT ACTIVITIES : R & D ON CONDITION MONITORING (VIBRATION & TRIBOLOGY).

LANGUAGES : BENGALI, HINDI, ENGLISH, SANSKRIT.

PUBLICATIONS & PATENTS : TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, TESTING - 16, TEACHING - 3, TECHNICAL SERVICES & CONSULTATION - 2.

6359

SHRI MANOJ KUMAR JASH; (B. JANUARY 17, 1955),

SCIENTIST C, MECHANICAL ENGINEERING RESEARCH AND DEVELOPMENT ORGANISATION, LUDHIANA (C.M.E.R.I., DURGAPUR).

QUALIFICATIONS : B.E. METALLURGICAL ENGINEERING - CALCUTTA '77.

SPECIALIZATIONS : METALLURGY; MECHANICAL TESTING OF METALS.

EXPERIENCE : J.R.F., C.M.E.R.I., DURGAPUR, 1978-80; METALLURGIST, KESORAM SPUN PIPES & FOUNDRIES LTD., HOOGHLY, 1980-81; FOREMAN, PENCHSTEEL HDPE INDIA LTD., HOOGHLY, 1981-82; METALLURGIST, TREATRITE ENTERPRISES, CALCUTTA, 1982-83; SCIENTIST B, M.E.R.A.D.O., PUNE, 1983-85; SCIENTIST B, M.E.R.A.D.O., LUDHIANA, 1985-90; SCIENTIST C, C.M.E.R.I. SINCE DECEMBER, 1990.

PRESENT ACTIVITIES : R&D WORK IN THE AREA OF METALLURGY/MATERIAL SCIENCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 3, CONSULTANCY - 1, TESTING - 4, QUALITY CONTROL - 4, TECHNICAL INFORMATION & LIAISON - 1.

6360

SHRI SHYAMA PADA JASH; (B. SEPTEMBER 6, 1940),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - WEST BENGAL '63.

SPECIALIZATIONS : DESIGN AND DEVELOPMENT OF AGRICULTURE AND INDUSTRIAL MACHINERY.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.T.A., SCIENTIST A AND TECHNICAL OFFICER (B), C.M.E.R.I., 1964-88; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : DEVELOPMENT OF INDUSTRIAL MACHINERY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 23.

6361

SHRI VIJAY K KALIA; (B. MAY 4, 1944),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : M.SC. (ENGG.) MECHANICAL - TECHNICAL UNIVERSITY OF PRAGUE, CZECHOSLOVAKIA '71.

SPECIALIZATIONS : PROCESS ENGINEERING.

EXPERIENCE : POOL OFFICER (CSIR) AND ASSISTANT ENGINEER, NATIONAL RESEARCH DEVELOPMENT CORPORATION, NEW DELHI, 1972-79; SCIENTIST C, C.M.E.R.I. SINCE JANUARY, 1979.

PRESENT ACTIVITIES : TECHNOLOGY TRASFER.

LANGUAGES : PUNJABI, HINDI, ENGLISH, CZECH, SLOVAK.

VISITED : CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : ARTICLES - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNOLOGY TRANSFER - 20.

6362

SHRI UJAGAR SINGH KARAIL; (B. DECEMBER 28, 1943),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - PUNJAB '63; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS(INDIA) '71; M.E. MECHANICAL ENGINEERING - PANJAB '86.

SPECIALIZATIONS : PRODUCTION ENGINEERING; DESIGN OF INDUSTRIAL MACHINES; DESIGN OF JIGS AND FIXTURES; FABRICATION OF PROTOTYPES.

EXPERIENCE : INSTRUCTOR, GURUNANAK ENGINEERING COLLEGE, LUDHIANA, 1963-66; J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, M.E.R.A.D.O. (LUDHIANA), 1966-86; SCIENTIST C, M.E.R.A.D.O. (LUDHIANA) SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, DESIGN - 6, CONSULTANCY - 1, PRODUCTION - 6, COMPUTER PROCESSING - 1.

6363

SHRI P C MAHAJAN; (B. OCTOBER 15, 1940),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - PANJAB '61.

SPECIALIZATIONS : NON-DESTRUCTIVE TESTING.

EXPERIENCE : LAB. SUPERVISOR AND J.S.A., C.M.E.R.I., DURGAPUR, 1963-65; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., DURGAPUR/LUDHIANA, 1965-81; SCIENTIST C, M.E.R.A.D.O., SINCE MAY, 1981.

PRESENT ACTIVITIES : NON - DESTRUCTIVE TESTING AND CONSULTANCY.

LANGUAGES : PUNJABI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 25.

6364

SHRI M V MAHESWARAN; (B. MARCH 3, 1943),
SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - MADRAS '65.

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B, M.E.R.A.D.O., MADRAS, 1966-81; SCIENTIST C, M.E.R.A.D.O., MADRAS SINCE JANUARY, 1981.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT.

LANGUAGES : TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2, PROCESSES DEVELOPED - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN & DEVELOPMENT - 25.

6365

SHRI A K MAITRA; (B. FEBRUARY 28, 1940),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BURDWAN '72; MOTOR VEHICLE TECHNICIAN'S COURSE - CITY & GUILDS, U.K. '62; TRAINING IN AUTOMOBILE ENGINEERING - AIR TECHNICAL TRAINING INSTITUTE '62.

SPECIALIZATIONS : FILTRATION TECHNOLOGY.

EXPERIENCE : SUPERVISOR, M/S MAITRA & CO., 1963; JUNIOR INSTRUCTOR, NARSINGHAR POLYTECHNIC INSTITUTE, TRIPURA, 1963-65; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1965-84; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE DECEMBER, 1984.

PRESENT ACTIVITIES : TESTING AND QUALITY CONTROL.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING, QUALITY CONTROL. (26 YEARS).

6366

SHRI ANATH BANDHU MANDAL; (B. APRIL 19, 1940),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BURDWAN '62.

SPECIALIZATIONS : METAL FAILURE ANALYSIS; MATERIALS SELECTION FOR ENGINEERING APPLICATIONS; BEHAVIOUR OF MATERIALS; METALLOGRAPHY HEAT TREATMENT OF ENGINEERING MATERIALS/COMPONENTS.

EXPERIENCE : SCIENCE TEACHER, GOPALPUR S.G. VIDYAPITH, PURULIA, 1962-66; GRADUATE APPRENTICE, J.S.A., S.T.A., SCIENTIST A AND TECH. OFF. (B), C.M.E.R.I., 1966-87; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : R&D IN BEHAVIOUR OF MATERIALS, METAL FAILURE ANALYSIS & DESIGN OF HEAT-TREATMENT CYCLES OF MATERIALS/COMPONENTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, ARTICLES - 3, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 1.

AWARDS & DISTINCTIONS : BEST ENTRY AWARD IN METALLOGRAPHY CONTEST, IIM (DURGAPUR CHAPTER), 1971.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 15, QUALITY CONTROL - 15, APPLIED RESEARCH - 15.

6367

SHRI RAMAPATI MATHUR; (B. JANUARY 6, 1941),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.E.E. - WEST BENGAL '62.

SPECIALIZATIONS : SCREW THREAD METROLOGY; DIMENSIONAL ENGINEERING METROLOGY.

EXPERIENCE : J.M.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1963-80; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE SEPTEMBER, 1980.

PRESENT ACTIVITIES : R & D ON METROLOGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 15, CONSULTANCY - 3, QUALITY CONTROL - 5, MAINTENANCE - 3, TRAINING - 2.

6368

SHRI S K MAZUMDAR; (B. AUGUST 19, 1947),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '69.

SPECIALIZATIONS : HEAT TRANSFER; SOLAR ENERGY UTILISATION.

EXPERIENCE : S.S.A. AND SCIENTIST A, C.M.E.R.I., 1973-81; SCIENTIST B, C.M.E.R.I., 1981-86; SCIENTIST C, C.M.E.R.I. SINCE FEB., 1986.

PRESENT ACTIVITIES : R & D IN HEAT TRANSFER.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 17, PATENTS TAKEN - 2

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, CONSULTANCY - 18.

6369

SHRI B B MISRA; (B. JANUARY 4, 1940),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : M.A. SOCIOLOGY - KASHI VIDYAPITH '64; DIPLOMA IN LIBRARY SCIENCE - B.H.U. '59; ASSOCIATESHIP IN DOCUMENTATION AND REPROGRAPHY - INSDOC, NEW DELHI '67; M.LIB.SC. - B.H.U. '80; DIPLOMA IN RUSSIAN - SANSKRIT UNIVERSITY '61.

SPECIALIZATIONS : LIBRARY AND INFORMATION SCIENCE; DOCUMENTATION; PATENT INFORMATION SYSTEMS.

EXPERIENCE : TECH. ASST., SARASWATI BHAVAN, SANSKRIT UNIV., VARANASI, 1959-63; LIBRARIAN, R.D.S.O., 1963-64; S.T.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1964-85; (ALSO DOCUMENTATION OFFICER, ON DEPUTATION,

I.C.S.S.R. NEW DELHI, 1971-73); SCIENTIST C, C.M.E.R.I. SINCE NOVEMBER, 1985.

PRESENT ACTIVITIES : LIBRARY AND DOCUMENTATION SERVICES.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : ARTICLES - 8, UNION CATALOGUES - 2, TECH. PAPERS - 15, CHAPTER IN A BOOK - 1, TECH. PAPERS (IN HINDI) - 5.

AWARDS & DISTINCTIONS : CASH AWARDS FOR TWO PAPERS, INVENTIONS PROMOTION BOARD, 1971, 1972; FIRST PRIZE FOR PRESENTING BEST PAPER PID, C S I R, B H U LIB SC ASSOEN, 1980; AWARD FOR ARTICLES IN HINDI PID, C S I R, 1990-91.

PROFESSIONAL EXPERIENCE (IN YEARS) : EDITING - 5, DOCUMENTATION - 24.

6370

SHRI A MITTER; (B. MARCH 26, 1953),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.C.E. CIVIL - JADAVPUR '76; M.MECH.E. MECHANICAL - JADAVPUR '80.

SPECIALIZATIONS : FLUIDS ENGINEERING AND GAS DYNAMICS; TURBOMACHINERY; CRYOGENIC ENGINEERING.

EXPERIENCE : S.R.F. AND SCIENTIST B, C.M.E.R.I., 1981-89; SCIENTIST C, C.M.E.R.I. NOVEMBER, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH, FRENCH.

VISITED : W. GERMANY, U S A, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 5, PATENTS - 1.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES., APP. RES., CONSULTANCY AND COMPUTER PROCESSING - (TOTAL 7 YEARS).

6371

SYED SALMAN MOJIZ; (B. JANUARY 12, 1958),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MACHANICAL ENGINEERING - A.M.U. '78; B.E. MACHANICAL - A.M.U. '82; M.E. PRODUCTION ENGINEERING - PANJAB '89.

SPECIALIZATIONS : METROLOGY; INDUSTRIAL INSPECTION.

EXPERIENCE : SCIENTIST B, M.E.R.A.D.O., LUDHIANA SINCE MARCH, 1977-83; SCIENTIST C, M.E.R.A.D.O. LUDHIANA DINCCE MARCH 1983.

PRESENT ACTIVITIES : QUALITY CONTROL AND TESTING.

LANGUAGES : HINDI, URDU, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : TESTING - 5, QUALITY CONTROL - 5.

6372

SHRI BISWA NATH MONDAL; (B. JULY 15, 1937),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - W. BENGAL '59.

SPECIALIZATIONS : WORKSHOP TECHNOLOGY.

EXPERIENCE : TRAINEE, CHITTARANJAN LOCOMOTIVE WORKS, 1959-60; SUPERVISOR 'A' ISHAPUR RIFLE FACTORY, 1961-64; S.S.A., SCIENTIST A AND TECHNICAL OFFICER (B), C.M.E.R.I., 1965-85; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE APRIL, 1985.

PRESENT ACTIVITIES : WORKSHOP SUPERVISION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : PRODUCTION - 29.

6373

SHRI BISWANATH MONDAL; (B. FEBRUARY 25, 1957),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - BURDWAN '79; M.SC. INORGANIC CHEMISTRY - I.I.T., KHARAGPUR '82; M.TECH. MATERIALS SCIENCE - I.I.T., KHARAGPUR '84; PH.D. ENGINEERING CERAMICS - I.I.T., KHARAGPUR '90.

SPECIALIZATIONS : MATERIALS DEVELOPMENT FOR HIGH FREQUENCY INSULATOR FORSTERITE; GLASS AND CERAMICS; COMPOSITE MATERIALS FOR HIGH WEAR RESISTANT COMPONENTS; COMPOSITE CERAMIC CUTTING INSERTS.

EXPERIENCE : SR RES ASSISTANT, I.I.T., KHARAGPUR, 1984; CERAMIC TECHNOLOGIST, THE KERALA CERAMICS LTD., KERALA, 1984-85; SR. RES. FELLOW, I.I.T., KHARAGPUR, 1985-89; SCIENTIST B, C.M.E.R.I., DURGAPUR, 1989-91; SCIENTIST C, C.M.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : DEVELOPMENT OF HIGH PERFORMANCE CERAMIC CULTING INSERTS FOR HIGH SPEED MACHINERY; LOW LOSS HIGH FREQUENCY INSULATOR (FORSTERITE) FROM RICE HUSK ASH.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 7.

AWARDS & DISTINCTIONS : GANPULE AWARD, INDIAN CERAMIC SOCIETY, 1985-86.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 4, APP. RES. - 3.

6374

SHRI B C MUKHERJEE; (B. MAY 14, 1935),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '57; CERTIFICATE IN REFRIGERATION AND AIR CONDITIONING - INDIAN SOCIETY OF REFRIGRATION ENGINEERS '59.

SPECIALIZATIONS : REFRIGERATION AND AIR CONDITIONING.

EXPERIENCE : SUPERVISOR, M/S AMERICAN REFRIGERATION CO. LTD., 1960-65; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1965-85; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE DECEMBER, 1985.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, PATENTS FILED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 8, DESIGN - 3, TECH. DEV. - 5, MAINTENANCE - 4, PRODUCTION - 1, WATER PROJECT MISSION - 2.

6375

SHRI P K MUKHERJEE; (B. FEBRUARY 20, 1944),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - WEST BENGAL '63; B.M.E. MECHANICAL ENGINEERING - JADAVPUR '68; M.E. MECHANICAL ENGINEERING - POONA '80.

SPECIALIZATIONS : MECHANICAL ENGINEERING; PRODUCTION ENGINEERING; MACHINE DESIGN; INSPECTOR AND QUALITY CONTROL ENGINEERING.

EXPERIENCE : ENGG. TRAINEE, METAL BOX CO., CALCUTTA, 1963-64; TECH. ASST., JADAVPUR UNIVERSITY, 1964-69; S.S.A., SCIENTIST A AND SCIENTIST B, M.E.R.A.D.O., POONA, 1969-81; SCIENTIST C, M.E.R.A.D.O., POONA SINCE AUGUST, 1981.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, DESIGN - 10, CONSULTANCY - 15, R & D MANAGEMENT - 10, TESTING - 20, QUALITY CONTROL - 20, PRODUCTION - 5, TEACHING - 10, TECHNO/ECONOMIC SURVEYS - 5.

6376

SHRI P N MUKHERJEE; (B. MARCH 9, 1935),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : UNIVERSITY ENTRANCE EXAMINATION - BURDWAN '75.

SPECIALIZATIONS : WORKSHOP TECHNOLOGY; MACHINE TOOL OPERATION; WELDING.

EXPERIENCE : APPRENTICE AND TECHNICIAN, D.V.C., 1952-61; INSTRUCTOR, R.E.C., DURGAPUR, 1961-65; FOREMAN, PRINCIPAL FOREMAN AND TECHNICAL OFFICER (B), C.M.E.R.I., 1965-88; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : PROTOTYPE FABRICATION AND DEVELOPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 4, PRODN. - 23, TEACHING - 4.

6377

SHRI PANCHANON MUKHERJEE; (B. OCTOBER 18, 1939),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BIHAR '61; DIPLOMA IN MECHANICAL ENGINEERING - BIHAR '63.

SPECIALIZATIONS : METROLOGY OF MINIATURE COMPONENTS AND MEASURING INSTRUMENTS; DIMENSIONAL ENGINEERING METROLOGY; INDUSTRIAL METROLOGY.

EXPERIENCE : WORK SUPERVISOR, BARAUNI REFINERY, 1964-65; J.S.A., S.S.A., SCIENTIST A AND TECHNICAL OFFICER (B), C.M.E.R.I., 1965-88; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : PRECISION MEASUREMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 3, CONSULTANCY - 3, TESTING - 12, QUALITY CONTROL - 3, MAINTENANCE - 2.

6378

SHRI S B MUKHERJEE; (B. JANUARY 28, 1943),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.-CALCUTTA '63; A.M.I.I.M. - INDIAN INSTITUTE OF METALS '83; DIPLOMA IN MATERIALS MANAGEMENT - PUNJABI UNIV. '85.

SPECIALIZATIONS : METALLURGICAL ENGINEERING; HIGH TEMPERATURE CREEP PROPERTIES OF MATERIALS; METALLURGICAL EVALUATION OF MATERIALS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1965-88; SCIENTIST C, C.M.E.R.I. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : METAL FAILURE ANALYSIS; RESIDUAL LIFE OF CREEPING COMPONENTS; MATHEMATICAL MODELLING STRUCTURE-PROPERTY RELATIONSHIP.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, TECH. DEV. - 1, TESTING - 23.

6379

SHRI P R MUKHOPADHYAY; (B. FEBRUARY 1, 1942),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BURDWAN '64; A.M.I.E. - INSTITUTION OF ENGINEERS (INDIA) '86.

SPECIALIZATIONS : SCREW THREAD METROLOGY; PRECISION ENGINEERING MEASUREMENTS.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1965-89; SCIENTIST C, C.M.E.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : R & D IN ENGINEERING DIMENSIONAL METROLOGY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 3, CONSULTANCY - 2, TESTING - 12, QUALITY CONTROL - 5.

6380

SHRI S K MUKHOPADHYAY; (B. NOVEMBER 10, 1948),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. METALLURGY - BURDWAN '71; M.TECH. MECHANICAL METALLURGY - BURDWAN '78.

SPECIALIZATIONS : MECHANICAL METALLURGY; PHYSICAL METALLURGY; FAILURE ANALYSIS AND RELIABILITY; HEAT TREATMENT OF METALS AND ALLOYS.

EXPERIENCE : TRAINEE ENGINEER, P.T. ENGINEERS, 1973-75; S.S.A. AND SCIENTIST B, 1978-87; SCIENTIST C, C.M.E.R.I. SINCE JUNE, 1987.

PRESENT ACTIVITIES : R & D IN METAL FAILURE ANALYSIS; MATHEMATICAL MODELLING FOR STRUCTURE - PROPERTY RELATIONSHIP.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 100.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10.

6381

SHRI PRADIP KUMAR NAG; (B. MARCH 30, 1945),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.C.E. - WEST BENGAL '65.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; CIVIL ENGINEERING; COMPUTER AIDED DESIGN AND STRUCTURAL ANALYSIS.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.S.A., SCIENTIST A AND TECHNICAL OFFICER (B), C.M.E.R.I., 1966-87; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : STRUCTURAL ANALYSIS USING COMPUTER AIDED DESIGN.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 1, SCIENTIFIC BOOKS - 2, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 22, DESIGN - 22, TECHNICAL DEV. - 22, CONSULTANCY - 22, CONSTRUCTION - 1, MAINTENANCE - 1, PLANNING - 22, COMPUTER PROCESSING - 20, COMMISSIONING/MONITORING OF WATER - MISSION PLANTS IN THE STATE OF RAJASTHAN.

6382

MISS M NANDI; (B. DECEMBER 16, 1960),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - BURDWAN '83.

SPECIALIZATIONS : DESIGN OF PROCESS PLANT SYSTEMS; RELIABILITY AND SAFETY EVALUATION.

EXPERIENCE : J.R.F., S.R.F, SCIENTIST B, C.M.E.R.I., 1984-91; SCIENTIST C, C.M.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, R & D MGMT - 2.

6383

SHRI U NANDY; (B. JANUARY 4, 1951),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - BURDWAN '73; M.TECH. INDUSTRIAL MACHINE DESIGN - BURDWAN '85.

SPECIALIZATIONS : INDUSTRIAL MACHINES DESIGN.

EXPERIENCE : TECH. ASST., GASEM (P) LTD., 1974-75; G.O.I. TRAINEE, INCAB, PUNE, 1975-76; S.S.A., M.E.R.A.D.O., PUNE, 1976-79; SCIENTIST B, C.M.E.R.I. 1979-86; SCIENTIST C, C.M.E.R.I. SINCE JANUARY, 1986.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT.

LANGUAGES : BENGALI, HINDI, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECHNICAL DEV. AND CONSULTANCY - (TOTAL 14 YEARS).

6384

SHRI V G NENE; (B. JULY 20, 1936),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - VIKRAM '59; D.M.E. - MADHYA PRADESH '62.

SPECIALIZATIONS : MATERIALS TESTING; DT/NDT/CREEP; FAILURE INVESTIGATION.

EXPERIENCE : J.S.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1962-74; SCIENTIST B, M.E.R.A.D.O., POONA, 1974-80; SCIENTIST C, M.E.R.A.D.O., POONA SINCE JULY, 1980.

PRESENT ACTIVITIES : NON-DESTRUCTIVE TESTING.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : QUALITY CONTROL - 29.

6385

SHRI D P NISCHAL; (B. AUGUST 15, 1940),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - PUNJAB '61.**SPECIALIZATIONS :** DIESEL ENGINES; INDUSTRIAL MACHINES DESIGN; COMPONENT FABRICATION; PRODUCTION ENGINEERING.**EXPERIENCE :** TECHNICAL APPRENTICE AND SENIOR DRAFTSMAN, B.H.E.L., BHOPAL, 1961-65; S.S.A., SCIENTIST A AND SCIENTIST B, M.E.R.A.D.O., LUDHIANA, 1966-82; TECHNICAL OFFICER (C), M.E.R.A.D.O. SINCE JUNE, 1982.**PRESENT ACTIVITIES :** R & D IN DIESEL ENGINE AND PROTOTYPE FABRICATIONS.**LANGUAGES :** PUNJABI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 2, TECH. REPORTS - 2, SCIENTIFIC BOOKS - 1, PROCESSES DEVELOPED - 10, PROCESSES UNDER UTILISATION - 4.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 8, DESIGN - 5, TECHNICAL DEV. - 5, CONSULTANCY - 2, TESTING - 15, PRODUCTION - 5.

6386

SHRI TAPAN KUMAR PAUL; (B. NOVEMBER 10, 1954),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '74; M.TECH. MECHANICAL MACHINE DESIGN - I.I.T., KHARAGPUR '78.**SPECIALIZATIONS :** SOFTWARE DEVELOPMENT; COMPOSITE MATERIALS; STRESS AND VIBRATION ANALYSIS; MACHINE DESIGN; FRACTURE AND IMPACT ANALYSIS.**EXPERIENCE :** AERONAUTICAL /DEVELOPMENT ENGINEER, H.A.L., BANGALORE, 1977-82; DEVELOPMENT ENGINEER, JYOTI LTD., 1982-85; SR. TEST ENGINEER, HINDUSTAN MOTORS, 1985; J.S.O., I.I.T., KHARAGPUR, 1988-89; SCIENTIST C, C.M.E.R.I. SINCE MAY, 1989.

6387

SHRI DIPAK KUMAR RAY; (B. FEBRUARY 13, 1937),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.C.E. - W. BENGAL '59.**SPECIALIZATIONS :** EXPERIMENTAL STRESS ANALYSIS; CONSTRUCTION; STRUCTURAL ENGINEERING.**EXPERIENCE :** SUB-ASSISTANT ENGINEER, DURGAPUR PROJECTS LTD., 1959-61; OVERSEER, MACKINTOSH BURN LTD., 1961-65; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1966-81; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE JANUARY, 1982.**PRESENT ACTIVITIES :** R & D IN STRESS ANALYSIS.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 4, TECH. REPORTS - 7, ARTICLES - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 5, DESIGN - 3, CONSULTANCY - 2, CONSTN. - 6, TESTING - 10, PLANNING - 1.

6388

SHRI G S REDDY; (B. FEBRUARY 4, 1939),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - OSMANIA '82; M.TECH. POLYMER SCIENCE & TECHNOLOGY - I.I.T., DELHI '84.**SPECIALIZATIONS :** ENVIRONMENTAL ENGINEERING; POLYMER TECHNOLOGY; POLLUTION CONTROL IN CEMENT AND BUILDING MATERIAL INDUSTRY.**EXPERIENCE :** SCIENTIST EII, NATIONAL COUNCIL OF CEMENT & BUILDING MATERIALS, 1984-91; SCIENTIST C, C.M.E.R.I. SINCE AUGUST, 1991.**PRESENT ACTIVITIES :** APPLIED RESEARCH IN POLLUTION CONTROL.**LANGUAGES :** TELUGU, ENGLISH, HINDI.**PUBLICATIONS & PATENTS :** RES. PAPERS - 4, TECH. PAPERS - 4.

6389

SHRI R N REDDY; (B. FEBRUARY 4, 1939),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - ANDHRA PRADESH '62; A.M.I.E. - INSTITUTION OF ENGINEERS (INDIA) '69; M.SC. (ENGG.) AUTOMOBILE - CRANFIELD INSTITUTE OF TECHNOLOGY, U.K. '75.**SPECIALIZATIONS :** AUTOMOBILE ENGINEERING; VEHICLE DYNAMICS; FEM ANALYSIS.**EXPERIENCE :** J.S.A., S.S.A. AND SCIENTIST B, C.M.E.R.I., 1963-78; (ALSO ADVANCED TRAINING IN AUTOMOBILE ENGINEERING, UNDER UNIDO FELLOWSHIP, U.K., 1974-75); SCIENTIST C, C.M.E.R.I. SINCE APRIL, 1978.**PRESENT ACTIVITIES :** RESEARCH AND DEVELOPMENT OF LIGHT WEIGHT AUTOMOTIVE CHASSIS AND BODY BY FEM ANALYSIS.**LANGUAGES :** TELUGU, HINDI, ENGLISH.**VISITED :** U.K.**PUBLICATIONS & PATENTS :** RES. PAPERS - 14, TECH. REPORTS - 2.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 3, APP. RES. - 10, TECH. DEV. - 12.

6390

SHRI A K ROY; (B. JULY 7, 1938),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BURDWAN '62; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '78.**SPECIALIZATIONS :** ANALYTICAL CHEMISTRY.

EXPERIENCE : TRAINEE, E.C.L., ASANSOL AND M/S BENGAL PAPER MILL, RANIGANJ, 1962-64; SCIENCE TEACHER, M.H.S.M. SCHOOL, 1964; J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1964-86; SCIENTIST C, C.M.E.R.I. SINCE APRIL, 1986.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS AND RESEARCH

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 1, TECH. DEV. - 5, TESTING - 2, QUALITY CONTROL - 5, PRODUCTION - 2, TEACHING - 1.

6391

DR G S ROY; (B. JANUARY 9, 1945),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '65; B.SC.(HONS) PHYSICS - CALCUTTA '66; M.SC. PHYSICS - NORTH BENGAL '69; PH.D. PHYSICS - BURDWAN '86.

SPECIALIZATIONS : STRESS ANALYSIS; MECHANICAL VIBRATIONS; NOISE ANALYSIS.

EXPERIENCE : J.R.F., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1971-86; SCIENTIST C, C.M.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN MECHANICAL VIBRATION AND CONTROL.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 40.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20.

6392

SHRI RANJAN KUMAR ROYCHOUDHURY; (B. NOVEMBER 21, 1939),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.O.A.T. DIPLOMA IN MECHANICAL AND ELECTRICAL ENGINEERING - WEST BENGAL '64.

SPECIALIZATIONS : PARTICLE SIZE ANALYSIS; DRAWING AND FABRICATION OF TEST RIGS; TESTING OF FILTERS.

EXPERIENCE : ENGINEERING APPRENTICE, INSTALLATION SUPERVISOR AND ASSISTANT IN METHODS AND TOOLINGS, WESTINGHOUSE SAXBY FARMER (I) LTD., CALCUTTA, 1959-66; J.S.A., S.S.A. AND SCIENTIST A, C.M.E.R.I., 1966-83; SCIENTIST B, C.M.E.R.I., 1983-88; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : ANALYSIS OF DUSTS AND DRAWING & FABRICATION OF TEST RIGS & INSTALLATION & COMMISSIONING OF DESALINATION PLANTS IN ANDHRA PRADESH UNDER TECHNOLOGY MISSION.

LANGUAGES : BENGALI, HINDI, ORIYA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 12, TESTING - 8, QUALITY CONTROL - 6.

6393

SHRI SATYENDRALAL ROYCHOUDHURY; (B. SEPTEMBER 5, 1947),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : M.SC. PHYSICS - BURDWAN '70.

SPECIALIZATIONS : SOLID STATE PHYSICS; COMPUTER PROGRAMMING.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, 1971-89; SCIENTIST C, C.M.E.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : APPLICATION PROGRAMME DEVELOPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 15, COMPUTER PROCESSING - 15.

6394

SHRI K P ROYSARKAR; (B. MAY 1, 1951),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - BURDWAN '75; M.TECH. DESIGN & PRODUCTION ENGINEERING - BURDWAN '78.

SPECIALIZATIONS : DESIGN AND PRODUCTION ENGINEERING.

EXPERIENCE : J.R.F. AND S.R.F., C.M.E.R.I., 1977-78; SCIENTIST B, C.M.E.R.I., 1978-84; SCIENTIST C, C.M.E.R.I. SINCE DECEMBER, 1984.

PRESENT ACTIVITIES : RESEARCH, DESIGN AND DEVELOPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 4, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, DESIGN - 3, TECH. DEV. - 2, COMPUTER PROCESSING - 1.

6395

SHRI B M SAHA; (B. DECEMBER 14, 1941),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '61; ADVANCED TRAINING IN ELECTRONIC ENGG. - C.E.E.R.I. '65; ADVANCED TRAINING IN DESIGN & DEVELOPMENT OF P.C.B. - C.E.E.R.I. '87.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION; DESIGN AND DEVELOPMENT OF P.C.B.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1962-90; (ALSO TRAINING IN ELECTRONICS ENGINEERING, C.E.E.R.I. 1965); TECHNICAL OFFICER (C), C.M.E.R.I. SINCE JANUARY. 1990.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT OF P.C.B.; MAINTENANCE AND CALIBRATION OF ELECTRONIC INSTRUMENTS.

LANGUAGES : BENGALI, ENGLISH, HINDI, RUSSIAN.

PUBLICATIONS & PATENTS : PATENTS TAKEN - 1, PROCESSES DEVELOPED - 1, REPORTS - 11.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECHNICAL DEV., CONSTRUCTION, OPERATION, TESTING AND MAINTENANCE - (TOTAL 26 YEARS)

6396

SHRI JAYANTA KUMAR SAHA; (B. JANUARY 17, 1962),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. METALLURGICAL ENGG. - CALCUTTA '83; BASIC MANAGEMENT, - H.A.L. STAFF COLLEGE '84; M.TECH. PRODUCTION ENGG. - I.I.T., MADRAS '86.

SPECIALIZATIONS : PRODUCTION ENGINEERING.

EXPERIENCE : ENGINEER AND DY. MANAGER, H.A.L., BANGALORE AND NASIK, 1983-91; SCIENTIST C, C.M.E.R.I. SINCE JUNE, 1991.

PRESENT ACTIVITIES : PROTOTYPE FABRICATION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PRODUCTION - 7.

6397

SHRI PARITOSH CHANDRA SAHA; (B. JUNE 30, 1943),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : CERTIFICATE IN MECHANICAL DRAUGHTSMANSHIP - WEST BENGAL '62; B.SC. - BURDWAN '73.

SPECIALIZATIONS : MECHANICAL DRAWING.

EXPERIENCE : DRAUGHTSMAN (MECHANICAL), DURGAPUR FOUNDRY AND ENGINEERING WORKS (P) LTD., 1962-63; TRACER, JR. DRAUGHTSMAN, J.S.A., S.T.A., SCIENTIST A TECHNICAL OFFICER (B), C.M.E.R.I., 1963-88; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF INDUSTRIAL MACHINERY, JIGS AND FIXTURES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 28, TECHNICAL DEV. - 28.

6398

SHRI K S SANKARAN; (B. MAY. 30, 1940),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - KERALA '59; B.SC. MECHANICAL ENGINEERING - B.H.U. '63; M.E. MACHINE DESIGN - I.I.S.C., BANGALORE '65.

SPECIALIZATIONS : MACHINE DESIGN.

EXPERIENCE : SCIENTIST B, M.E.R.A.D.O., COCHIN, 1965-70; SCIENTIST C, M.E.R.A.D.O., COCHIN SINCE OCTOBER, 1970.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF MACHINERIES.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

VISITED : NORWAY.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 1, DESIGN - 20, TECHNICAL DEV. - 1, PILOT PLANT - 3, CONSULTANCY - 1.

6399

SHRI A SARKAR; (B. MARCH 15, 1949),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : M.SC. PHYSICS - BURDWAN '70; DIPLOMA IN INDUSTRIAL ELECTRONICS & INSTRUMENTATION - ADVANCED TRAINING INST. FOR ELECTRONICS AND PROCESS INSTRUMENTATION, HYDERABAD '77.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION; STRESS ANALYSIS; VIBRATION MEASUREMENTS.

EXPERIENCE : J.R.F., R.E.C., DURGAPUR, 1971-73; J.S.A., S.S.A. AND SCIENTIST B, C.M.E.R.I., 1973-88; SCIENTIST C, C.M.E.R.I. SINCE JUNE, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPER - 2, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 9, TESTING - 8.

6400

SHRI PRITAM KUMAR SARKAR; (B. FEBRUARY 3, 1960),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - JADAVPUR '81; M.E. PRODUCTION ENGINEERING - JADAVPUR '84.

SPECIALIZATIONS : COMPUTER AIDED ANALYSIS AND DESIGN; KINEMATICS AND DYNAMICS OF MECHANICAL SYSTEM INCLUDING ROBOTICS; MACHINE DESIGN; PRODUCTION ENGINEERING.

EXPERIENCE : JUNIOR DESIGN ENGINEER, D. INDIA & ASSOCIATES, CALCUTTA, 1981-85; ASST. DEVELOPMENT ENGINEER, JYOTI LTD., BARODA, 1985-86; TECHNICAL OFFICER AND MANAGER, TECHNOLOGY AND RESEARCH ASSOCIATE, CALCUTTA, 1986-89; SCIENTIST C, C.M.E.R.I. SINCE JUNE, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 4, DESIGN - 3, COMPUTER PROCESSING - 4, CONSULTANCY - 3.

6401

SHRI TAPAS SARKAR; (B. OCTOBER 22, 1955),
SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RE-
SEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '76;
P.G. (DIPLOMA) - CALCUTTA '79; CERTIFICATE COURSE
IN SQC & OR - I.S.I., MADRAS '80.

SPECIALIZATIONS : QUALITY CONTROL AND RELIABIL-
ITY ENGINEERING.

EXPERIENCE : GRADUATE TRAINEE, BHARAT BLOKES &
VALVES LTD, CALCUTTA, 1977-79; ENGINEER TRAINEE,
HECKETT ENGINEERING CO. JAMSHEDPUR, 1979; JR. EXECU-
TIVE, BHEL, HYDERABAD, 1979-83; SR. Q.A. ENGINEER, TRF,
JAMSHEDPUR, 1983-89; SCIENTIST C, C.M.E.R.I. SINCE APRIL,
1989.

6402

SHRI D K SEN; (B. JANUARY 19, 1941),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RE-
SEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '61; A.M.I.E. ME-
CHANICAL - INSTITUTION OF ENGINEERS (INDIA) '74.

SPECIALIZATIONS : HEAT POWER ENGINEERING.

EXPERIENCE : TECHNICAL TRAINEE, M/S DUNLOP RUB-
BER CO. (I) LTD., HOOGHLY, 1962-63; MECHANICAL OPERA-
TOR, BANDEL THERMAL POWER STATION, TRIBENI,
HOOGHLY, 1963-69; S.S.A., SCIENTIST A AND SCIENTIST B,
C.M.E.R.I., 1969-86; SCIENTIST C, C.M.E.R.I. SINCE JANUARY,
1986.

PRESENT ACTIVITIES : R & D IN HEAT TRANSFER ENGI-
NEERING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH.
REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 5,
CONSULTANCY - 2, OPERATION - 6, TESTING - 5, COMPUTER
PROCESSING - 8.

6403

SHRI P K SEN; (B. JANUARY 9, 1957),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RE-
SEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING -
BURDWAN '80.

SPECIALIZATIONS : DESIGN OF MATERIAL HANDLING
EQUIPMENTS.

EXPERIENCE : ASSTT. ENGINEER, TRACTORS INDIA LTD.,
CALCUTTA, 1980-83; DESIGN ENGINEER, HOLMAN CLIMAX
MFG. LTD., TITAGHUR, WEST BENGAL, 1983; SCIENTIST B,
C.M.E.R.I., 1983-89; SCIENTIST C, C.M.E.R.I. SINCE DECEMBER,
1989.

PRESENT ACTIVITIES : R&D IN POLLUTION CONTROL,
RENEWABLE SOURCE OF ENERGY, DESIGN OF VARIOUS
ENGG. PROCESSES & PRODUCTS INCLUDING LIFTING &
HANDLING SYSTEM OF DEEP SEA BED MINING (D.O.D. PRO-
JECT).

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REP. - 4, PROCESSES
DEVELOPED - 4, PROCESSES UNDER UTILISATION - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN -
12, TESTING - 8, COMPUTER PROCESSING - 5.

6404

SHRI RANJAN SEN; (B. JULY 28, 1958),

SCIENTIST C, CMERI LIAISON OFFICE, CALCUTTA (CENTRAL
MECHANICAL ENGINEERING RESEARCH INSTITUTE,
DURGAPUR).

QUALIFICATIONS : B.E. PRODUCTION ENGG. - JADAVPUR
'83; M.E. PRODUCTION ENGG. - JADAVPUR '89.

SPECIALIZATIONS : TRIBOLOGY; PRODUCTION ENGI-
NEERING; INDUSTRIAL DESIGN; TECHNICAL LIAISON.

EXPERIENCE : PRODUCTION SUPERVISOR, HINDUSTAN
MOTORS LTD., CALCUTTA, 1982-83; ASSTT. ENGINEER, DUN-
LOP INDIA, CALCUTTA, 1983; SCIENTIST B, C.M.E.R.I., 1983-88;
SCIENTIST C, C.M.E.R.I. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : R & D; TECHNICAL LIAISON.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, ARTICLES
- 1, PATENTS FILED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
1, DESIGN - 3, CONSULTANCY - 3, R & D MGMT. - 3, MAINTEN-
ANCE - 1, PRODUCTION - 1, TECHNOLOGY TRANSFER - 3,
EDITING - 5, COMPUTER PROCESSING - 1.

6405

SHRI PRASANTA SENGUPTA; (B. JULY 19, 1943),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RE-
SEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - WEST BENGAL '63; A.M.I.E. ME-
CHANICAL ENGINEERING - INSTITUTION OF ENGI-
NEERS (INDIA) '69.

SPECIALIZATIONS : HEAT EXCHANGER; DRYING OF AG-
RICULTURAL PRODUCTS; HEAT TRANSFER; HEAT TRANS-
FER INSTRUMENTATION.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST
B, C.M.E.R.I., 1964-79; SCIENTIST (C), C.M.E.R.I. SINCE MAY,
1979.

PRESENT ACTIVITIES : R & D OF HEAT EXCHANGERS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH.
REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 2, APP. RES. - 7, DESIGN - 1, TECHNICAL DEV. - 2, TESTING -
15.

6406

**SHRI PAWAN KUMAR SHANGARI; (B. JUNE 15,
1949),**

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RE-
SEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL KURUK-
SHETRA '72; M.TECH. MECHANICAL ENGINEERING -
PANJAB '85.

SPECIALIZATIONS : INDUSTRIAL MACHINERY DESIGN; MACHINE TOOL DESIGN; PRODUCTION PLANNING; METROLOGY

EXPERIENCE : DESIGN ENGINEER, M/S INDIA DESIGN CENTRE, BANGALORE, 1973-77; SCIENTIST B, M.E.R.A.D.O., LUDHIANA, 1977-81; SCIENTIST C, C.M.E.R.I. SINCE

PRESENT ACTIVITIES : MACHINE DESIGN AND METROLOGY.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 15, TECHNICAL DEV. - 15, TESTING - 4, QUALITY CONTROL - 5.

6407

SHRI AMARJIT SINGH SHARMA; (B. JULY 20, 1943),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGG. BOARD OF TECH. EDUCATION. U.P. '65.

SPECIALIZATIONS : INDUSTRIAL LIAISON ; REFRIGERATION AND AIR CONDITIONING.

EXPERIENCE : APPRENTICE SUPERVISOR, UNITED INDUSTRIES AND BREMEC SURI PVT. LTD. GHAZIABAD, 1965; GRADUATE APPRENTICE, C.M.E.R.I., DURGAPUR, 1965-66; J.S.A., S.T.A. AND SCIENTIST A, M.E.R.A.D.O., 1966-82; SCIENTIST B, M.E.R.A.D.O., 1982-87; TECHNICAL OFFICER (C), M.E.R.A.D.O. LUDHIANA SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : INDUSTRIAL LIAISON.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 2, TESTING - 20, QUALITY CONTROL - 20, INDUSTRIAL LIAISON - 3.

6408

SHRI S SEN SHARMA; (B. SEPTEMBER 5, 1961),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6409

DR(MISS) USHA SHARMA; (B. JUNE 16, 1962),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. MATHEMATICS - I.I.T., KHARAGPUR '82; M.SC. MATHEMATICS - I.I.T., KHARAGPUR '84; PH.D. RELIABILITY ENGINEERING - I.I.T., KHARAGPUR '90.

SPECIALIZATIONS : RELIABILITY ENGINEERING.

EXPERIENCE : SCIENTIST (C), C.M.E.R.I. SINCE JUNE, 1991.

PRESENT ACTIVITIES : HAZARD ANALYSIS.

LANGUAGES : HINDI, ENGLISH, BENGALI.

PUBLICATIONS & PATENTS : RES. PAPERS - 11.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 6.

6410

SHRI S R SHOME; (B. JANUARY 31, 1935),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN AUTOMOBILE ENGINEERING - DACCA '56; D.M.E. - DACCA '58.

SPECIALIZATIONS : MECHANICAL ENGINEERING; AUTOMOBILE ENGINEERING.

EXPERIENCE : LECTURER, S.V. TECHNICAL SCHOOL, SYLHET, BANGLADESH, 1958-64; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1965-81; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE MARCH, 1981.

PRESENT ACTIVITIES : TESTING AND DEVELOPMENT OF I.C. ENGINES; FUEL SUBSTITUTION OF I.C. ENGINES.

LANGUAGES : BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 3, BOOKLET - 1, ARTICLES - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 9, TESTING - 12, QUALITY CONTROL - 2, TEACHING - 6, PLANNING - 4.

6411

SHRI A K SHUKLA; (B. NOVEMBER 20, 1955),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(ENGG) METALLURGY - RANCHI '80; M.TECH. METALLURGY - RANCHI '83.

SPECIALIZATIONS : METALLURGY; NON-DESTRUCTIVE INSPECTION.

EXPERIENCE : SCIENTIST B, C.M.E.R.I., 1983-88; SCIENTIST C, C.M.E.R.I. SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : NON-DESTRUCTIVE INSPECTION.

LANGUAGES : HINDI, BENGALI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV., CONSULTANCY, TESTING, QUALITY CONTROL - 8.

6412

SHRI VIRENDRA SINGH; (B. FEBRUARY 26, 1936),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN AUTOMOBILE ENGINEERING - AHMEDABAD '56.

SPECIALIZATIONS : DEVELOPMENT OF AGRICULTURAL MACHINERY AND IMPLEMENTS; AUTOMOBILE ENGINEERING.

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1968-84; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE JANUARY, 1984.

PRESENT ACTIVITIES : DEVELOPMENT OF AGRICULTURAL MACHINERY AND IMPLEMENTS/AUTOMOBILE TRANSPORT

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 5, TESTING - 10.

6413

SHRI M SIVASUBRAMANYAM; (B. DECEMBER 31, 1937),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - TAMILNADU '59.

SPECIALIZATIONS : PROTOTYPE FABRICATION; TESTING.

EXPERIENCE : ENGG. APRENTICE, MEENAKSHI MILLS LTD., MADURAI, 1959-60; SUPDT. (ELECT./MECH.), MILITARY ENGG. SERVICE, DEOLALET, 1960-61; TECHNICAL ASSISTANT, I.I.T., BOMBAY, 1961-64; PRODUCTION ENGINEER TRAINEE, METAL BOX CO., BOMBAY, 1964-66; S.S.A. AND PRICIPAL FOREMAN, M.E.R.A.D.O., AND WORKSHOP SUPTD. B MADRAS 1966-80; TECHNICAL OFFICER (C), M.E.R.A.D.O., MADRAS SINCE MAY, 1980.

PRESENT ACTIVITIES : PROTOTYPE FABRICATION AND TESTING.

LANGUAGES : TAMIL, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 22.

6414

SHRI P S SUNDARAM; (B. OCTOBER 27, 1936),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - MADRAS '58.

SPECIALIZATIONS : DESIGN.

EXPERIENCE : SPL. APPRENTICE, TEX TOOLS & CO LTD., COIMBATORE, 1957-58; WORKS SUPERVISOR, NACHMUTHIUS POLYTECHNIC, 1958-59; INSTRUCTOR, GOVT. POLYTECHNIC, COIMBATORE 1959-63; J.T.A., S.S.A, SCIENTIST A AND SCIENTIST B, C.M.E.R.I, DURGAPUR/M.E.R.A.D.O., MADRAS 1964-83; TECHNICAL OFFICER (C), M.E.R.A.D.O., MADRAS SINCE SEPTEMBER, 1983.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT.

LANGUAGES : TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 24, TEACHING - 5.

6415

DR BHOLA NATH SUR; (B. JAN 2, 1938),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : M.SC. MATHEMATICS - JADAVPUR '69; P.G. DIPLOMA IN COMPUTER SCIENCE (SOFTWARE) - JADAVPUR '71; PH.D. NUMERICAL ANALYSIS - JADAVPUR '86.

SPECIALIZATIONS : NUMERICAL ANALYSIS; COMPUTER PROGRAMMING.

EXPERIENCE : J.R.F., JADAVPUR UNIVERSITY, 1972-73; S.S.A., N.A.L., BANGALORE, 1973-77; S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1977-86; SCIENTIST C, C.M.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RELIABILITY AND SAFETY EVALUATION; FAULT FREE ANALYSIS.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 18, APP. RES. - 18, COMPUTER PROCESSING - 20.

6416

SHRI H S TOOR; (B. JULY 6, 1941),

SCIENTIST C, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - U.P. '61.

SPECIALIZATIONS : PROTOTYPE FABRICATION AND PRODUCTION.

EXPERIENCE : S.T.A., SCIEETIST A AND SCIENTIST B, M.E.R.A.D.O., LUDHIANA, 1965-80; SCIENTIST C, M.E.R.A.D.O., LUDHIANA SINCE DECEMBER, 1980.

PRESENT ACTIVITIES : PROTOTYPE FABRICATION AND PRODUCTION.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 13,

6417

SHRI GOPAL KISHORE VERMA; (B. DECEMBER 5, 1942),

TECHNICAL OFFICER (C), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : CERTIFICATE IN MECHANICAL DRAUGHTSMANSHIP - N.C.T.V.T. '61; L.M.E. - ANDHRA '80.

SPECIALIZATIONS : DESIGN OF INDUSTRIAL AND AGRICULTURAL MACHINERY.

EXPERIENCE : DRAUGHTSMAN, M.N.R.E.C., ALLAHABAD, 1961-65; DRAUGHTSMAN, HINDUSTAN ALUMINIUM CO.LTD., MIRZAPUR, 1965; J.S.A., S.T.A., SCIENTIST A AND TECHNICAL OFFICER (B), C.M.E.R.I., 1965-88; TECHNICAL OFFICER (C), C.M.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF AGRICULTURAL AND INDUSTRIAL MACHINERY.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 4, ARTICLES - 5, SCIENTIFIC BOOKS COMPILED - 1, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, DRAWING & DEVELOPMENT - 30.

6418

MRS ANUSHREE BAG; (B. JUNE 14, 1966),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. ELECTRICAL - JADAVPUR '88.

SPECIALIZATIONS : POWER ELECTRONICS AND DRIVES; INTEGRATED AND DIGITAL ELECTRONICS; CONTROL SYSTEMS; ELECTRONIC INSTRUMENTATION.

EXPERIENCE : SCIENTIST B, C.M.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : APPLICATION OF DRIVES AND POWER ELECTRONICS TO ROBOTICS.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2.

6419

SHRI M K BAIN; (B. AUGUST 22, 1936),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : REFRIGERATION SEALED UNIT COURSE - E.M.E. SCHOOL, BANGALORE '56; CERTIFICATE IN REFRIGERATION AND AIR CONDITIONING - I.T.I., CALCUTTA '69.

SPECIALIZATIONS : REFRIGERATION AND AIR CONDITIONING.

EXPERIENCE : L.I.N.K., E.M.E. CORPS, 1950-65; J.T.A., S.T.A. AND TECH. OFF. A, C.M.E.R.I., 1966-87; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : MAINTENANCE AND TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 2, MAINTENANCE - 24.

6420

SHRI R N BANDYOPADHYAY; (B. JULY 19, 1938),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '58; 3 YEARS COURSE IN MECH. ENGG. - I.I.T., KHARAGPUR '62; SPECIALIST COURSE IN REFRIGERATION AND AIR CONDITIONING - ROORKEE '69.

SPECIALIZATIONS : REFRIGERATION AND AIR CONDITIONING; THERMAL INSULATION.

EXPERIENCE : TECHNICAL ASSISTANT, I.I.T., KHARAGPUR 1962-66; TECHNICIAN G.R.I. T.T.T.I. CALCUTTA, 1972-73; S.S.A. AND SCIENTIST A, C.M.E.R.I., 1966-78; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE OCTOBER, 1978.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES.- 5, DESIGN - 1, TECH. DEV. - 2, OPERATION - 2, TESTING - 15, MAINTENANCE - 3, TEACHING - 1.

6421

SHRI B BANERJEE; (B. MARCH 16, 1936),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

SPECIALIZATIONS : REFRIGERATION AND AIR CONDITIONING.

EXPERIENCE : ASSISTANT MISTRY AND OPERATOR, JHARIA COLD STORAGE AND ICE FACTORY, 1954-57; OIL MAN, C.F.R.I., 1957-61; MECHANIC, C.M.R.S., 1961-64; REFRIGERATION ASSISTANT, J.T.A., S.T.A. AND TECHNICAL OFFICER

(A), C.M.E.R.I., 1964-88; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : ERECTION, INSTALLATION, OPERATION AND MAINTENANCE OF AIR CONDITIONING PLANTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 34, TESTING - 9, MAINTENANCE - 34, INSPECTION & SUPERVISION IN WATER MISSION - 2.

6422

MRS BHASWATI BANERJEE; (B. NOVEMBER 10, 1964),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. ELECTRONICS & TELECOMMUNICATION - JADAVPUR '87; M.E. ELECTRONICS & TELECOMMUNICATION - JADAVPUR '89.

SPECIALIZATIONS : COMMUNICATION; DATA ACQUISITION AND SIGNAL PROCESSING.

EXPERIENCE : FELLOW, C.M.E.R.I., 1989-91; SCIENTIST B, C.M.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : APPLIED RESEARCH; COMPUTER PROCESSING DESIGN.

LANGUAGES : BENGALI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, DESIGN - 2, COMPUTER PROCESSING - 2.

6423

SHRI N BANERJEE; (B. APRIL 7, 1937),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL DRAFTSMANSHIP - W. BENGAL '59; DIPLOMA IN MECHANICAL ENGINEERING - W. BENGAL '61.

SPECIALIZATIONS : MECHANICAL DRAWING AND DESIGN.

EXPERIENCE : TRAINEE AND DRAFTSMAN IN VARIOUS PRIVATE CONCERNS, 1962-65; JUNIOR DRAFTSMAN, SENIOR DRAFTSMAN, J.T.A., S.T.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1965-86; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : DESIGN AND DRAWING.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN & DRAWING - 28.

6424

SHRI P K BANERJEE; (B. JANUARY 2, 1943),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '63.

SPECIALIZATIONS : EXPERIMENTAL STRESS ANALYSIS.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.E.R.I., 1963-86; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : EXPERIMENTAL STRESS ANALYSIS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9, CONSULTANCY - 1, TESTING - 15.

6425

SHRI P S BANERJEE; (B. JUNE 28, 1961),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '83; M.E. APPLIED MECHANICS - JADAVPUR '88.

SPECIALIZATIONS : APPLIED MECHANICS.

EXPERIENCE : ENGINEER, B.H.E.L., 1983-86; LECTURER, INDIRA GANDHI INSTITUTE OF TECHNOLOGY, ORISSA, 1988-91; SCIENTIST B, C.M.E.R.I. SINCE AUGUST, 1991.

PRESENT ACTIVITIES : DESIGN OF ROBOTIC SYSTEMS.

6426

SHRI S S BANERJEE; (B. MARCH 2, 1935),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : CERTIFICATE IN AUTOMOBILE ENGINEERING - I.T.I., JAMMU '67; DIPLOMA IN MECHANICAL ENGINEERING - INDIAN AIR FORCE '62.

SPECIALIZATIONS : PERFORMANCE EVALUATION OF I C ENGINES.

EXPERIENCE : CORPORAL, INDIAN AIR FORCE, 1954-69; S.T.A. AND SCIENTIST A, C.M.E.R.I., 1969-79; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1979.

PRESENT ACTIVITIES : PERFORMANCE EVALUATION TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 10, MAINTENANCE - 21.

6427

SHRI SHANTANU BANERJEE; (B. JUNE 17, 1964),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.TECH. MECHANICAL ENGINEERING - I.I.T., KHARAGPUR '86.

SPECIALIZATIONS : COMPUTER APPLICATIONS; COMPUTER AIDED DESIGN; COMPUTER AIDED MANUFACTURE.

EXPERIENCE : GRADUATE TRAINEE AND JUNIOR ENGINEER, BAJAJ AUTO LTD., PUNE, 1986-87; SCIENTIST B, C.M.E.R.I. SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : CAD/CAM, COMPUTER GRAPHICS, ETC.

LANGUAGES : BENGALI, HINDI, ENGLISH.

6434

SHRI SHANTANU BANERJEE; (B. JUNE 17, 1968),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.TECH. MECHANICAL ENGINEERING - I.I.T., KHARAGPUR '86.

SPECIALIZATIONS : COMPUTER APPLICATIONS; COMPUTER-AIDED DESIGN; COMPUTER-AIDED MANUFACTURE.

EXPERIENCE : GRADUATE TRAINEE AND JR. ENGINEER, BAJAJ AUTO LTD., PUNE, 1986-87; SCIENTIST B (ADHOC) C.M.E.R.I., 1987-88; SCIENTIST B, C.M.E.R.I. SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : CAD/CAM, COMPUTER GRAPHICS ETC.

LANGUAGES : BENGALI, HINDI, ENGLISH.

6441

SMT SUJATA BANERJEE; (B. SEPTEMBER 25, 1967),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6442

SHRI DEBAJYOTI BANERJI; (B. OCTOBER 25, 1960),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '89.

SPECIALIZATIONS : MACHINE AND EQUIPMENT DESIGN.

EXPERIENCE : GRADUATE ENGINEER TRAINEE A.B.L., DURGAPUR, 1984-86; J.R.F., C.M.E.R.I., 1987-90; SCIENTIST B, C.M.E.R.I. SINCE JANUARY, 1990.

PRESENT ACTIVITIES : MACHINE AND EQUIPMENT DESIGN.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 3.

6443

SHRI B D BANSAL; (B. FEB 3, 1963),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - CHANDIGARH '85; M.E. PRODUCTION ENGINEERING - CHANDIGARH '88.

SPECIALIZATIONS : DESIGN OF MACHINE TOOLS; PROTOTYPE FABRICATION; QUALITY CONTROL.

EXPERIENCE : SCIENTIST B, M.E.R.A.D.O., LUDHIANA SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : MACHINE TOOL DESIGN AND QUALITY CONTROL.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 3.5, TECHNICAL DEV. - 2, QUALITY CONTROL - 1.

6444**SHRI D K BASU; (B. MARCH 15, 1935),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : INTERMEDIATE ARTS - CALCUTTA '62.**SPECIALIZATIONS** : PROJECT PLANNING; PROJECT BUDGETING; INFORMATION DISSEMINATION.**EXPERIENCE** : L.D.C., N.P.L., NEW DELHI, 1954-58; L.D.C., U.D.C., SENIOR CATALOGUER, J.T.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1958-86; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE FEBRUARY, 1986.**PRESENT ACTIVITIES** : PROJECT PLANNING; BUDGETING; TECHNICAL INFORMATION DISSEMINATION.**LANGUAGES** : BENGALI, HINDI, PUNJABI, ENGLISH.**PUBLICATIONS & PATENTS** : ARTICLES - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : R & D MGMT. - 28, ADMN. - 8.**6445****SHRI D K BHATTACHARJEE; (B. NOVEMBER 2, 1940),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN AUTOMOBILE ENGINEERING - INSTT. OF AUTO ENGINEERS '61.**SPECIALIZATIONS** : AUTOMOBILE ENGINEERING; TRACTOR, FARM AND HEAVY EARTH MOVING MACHINERIES.**EXPERIENCE** : S.L.A., J.T.A., S.T.A. AND TECHNICAL OFFICER (B), C.M.E.R.I., 1968-89; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE APRIL, 1989.**PRESENT ACTIVITIES** : R & D, TESTING AND MAINTENANCE.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : TESTING - 23, QUALITY CONTROL - 23, MAINTENANCE - 23.**6446****SHRI G C BHATTACHERJEE; (B. JULY 24, 1940),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL AND ELECTRICAL ENGINEERING - B.O.A.T., CALCUTTA '65.**SPECIALIZATIONS** : DESIGN OF FLUID MACHINERY.**EXPERIENCE** : ENGINEERING APPRENTICE, NATIONAL IRON AND STEEL CO., HOWRAH, 1961-65; GRADUATE APPRENTICE, J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, C.M.E.R.I., 1966-89; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MARCH, 1989.**PRESENT ACTIVITIES** : DESIGN AND DEVELOPMENT OF FLUID MACHINERY.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : PATENTS TAKEN - 1.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 3, DESIGN - 6, TECH. DEV. - 3, CONSTRUCTION - 2, TESTING - 7, MAINTENANCE - 2, RESEARCH & DEVELOPMENT IN REFRIGERATION - 2.**6447****SHRI S K BHAUMIK; (B. JANUARY 1, 1946),**

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. MECHANICAL - WEST BENGAL '64; B.SC. - BURDWAN '72; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '73.**SPECIALIZATIONS** : MECHANICAL TESTING OF MATERIALS; MACHINE DESIGN; TRIBOLOGY.**EXPERIENCE** : INSPECTOR, SREE ENGG. PRODUCTS, RISHRA (W.B.), 1964-65; J.S.A., S.S.A. AND SCIENTIST A, C.M.E.R.I., 1965-79; SCIENTIST B, C.M.E.R.I. SINCE DECEMBER, 1979.**PRESENT ACTIVITIES** : TESTING AND EVALUATION OF MECHANICAL PROPERTIES OF MATERIALS.**LANGUAGES** : BENGALI, ENGLISH, HINDI.**PROFESSIONAL EXPERIENCE(IN YEARS)** : DESIGN - 10, TESTING - 25, QUALITY CONTROL - 25.**6448****SHRI A K CHAKRABARTI; (B. SEPTEMBER 5, 1941),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN CIVIL DRAFTSMANSHIP - I.T.I. '60.**SPECIALIZATIONS** : STRUCTURAL DRAWING; DESIGN, TESTING AND ESTIMATING.**EXPERIENCE** : DRAUGHTSMAN, M/S AJIT GHOSH BUILDERS & GOVT. CONTRACTOR, CALCUTTA, 1957-59; JUNIOR DRAUGHTSMAN, M.A.M.C., DURGAPUR, 1961-66; J.S.A., S.T.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1966-88; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MARCH, 1988.**PRESENT ACTIVITIES** : STRUCTURAL DRAWING; ESTIMATE PREPARATION; GUEST HOUSE SUPERVISION & ESTATE AND WELFARE WORKS.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : DRAWING, ESTIMATING - 22, CONSTRUCTION - 1, TESTING - 1, MAINTENANCE - 2.**6449****SHRI J C CHAKRABARTY; (B. JANUARY 13, 1941),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL DRAUGHTSMANSHIP - I.T.I. CALCUTTA '59; B.SC. - BURDWAN '73.**SPECIALIZATIONS** : ENGINEERING DRAWINGS; MACHINE DRAWING AND DEVELOPMENT.**EXPERIENCE** : JR. DRAUGHTSMAN, J.T.A., S.T.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1964-88; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1988.**PRESENT ACTIVITIES** : MACHINE DRAWING & DEVELOPMENT; EPOXY CONCRETE MACHINE DESIGN.**LANGUAGES** : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN & DRAWING - 26.

6450

SHRI H S CHAKRABORTY; (B. FEBRUARY 24, 1938),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : SCHOOL FINAL EXAMINATION - PATNA '57; MACHINIST CERTIFICATE - N.C.T.V. '64.

SPECIALIZATIONS : WORKSHOP TECHNOLOGY.

EXPERIENCE : TURNER, H.G.E.C., LTD., 1958-60; MECHANIC, FINE MECHANIC, SUPERVISING MECHANIC, J.T.A., S.T.A., AND TECHNICAL OFFICER (A), C.M.E.R.I., 1960-87; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE APRIL, 1987.

PRESENT ACTIVITIES : FABRICATION OF PROTOTYPES AND TEST RIGS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PRODUCTION-30.

6451

SHRI SUBHENDU CHANDRA; (B. JUNE 27, 1966),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.M.E. MECHANICAL - JADAVPUR '88; M.TECH. MACHINE TOOL ENGINEERING - I.I.T., KHARAGPUR '90.

SPECIALIZATIONS : MACHINE TOOL ENGINEERING.

EXPERIENCE : TRAINEE ENGINEER, BAJAJ AUTO LTD. AKURDI, PUNE, 1990-91; SCIENTIST B, C.M.E.R.I. SINCE MAY, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : PLANNING, DESIGN - 1.

6452

SHRI K M CHANDRASEKHARAN; (B. SEPTEMBER 2, 1943),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - KERALA STATE '63.

SPECIALIZATIONS : DEVELOPMENT OF FLUID MACHINERY; DESTRUCTIVE AND NON-DESTRUCTIVE TESTING.

EXPERIENCE : ASSISTANT LECTURER, MTI, TRICHUR, 1963-64; J.M.A., S.S.A. AND SCIENTIST A, C.M.E.R.I., DURGAPUR, 1964-75; SCIENTIST B, M.E.R.A.D.O., COCHIN SINCE NOVEMBER, 1975.

PRESENT ACTIVITIES : TECHNICAL DEVELOPMENT.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 4, ARTICLES - 1, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 5, TECHNICAL DEV. - 9, TESTING - 5, QUALITY CONTROL - 8.

6453

SHRI D K CHAR; (B. NOVEMBER 10, 1941),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : CERTIFICATE IN MECHANICAL DRAFTSMANSHIP - N.C.T.V.T. '62; CERTIFICATE IN CIVIL DRAFTSMANSHIP - INDIAN COLLEGE OF ARTS AND DRAFTSMANSHIP '62.

SPECIALIZATIONS : MECHANICAL DRAWING AND DESIGN; EPOXY CONCRETE TECHNOLOGY.

EXPERIENCE : DRAFTSMAN, ALKALI AND CHEMICAL CORPORATION OF INDIA AND ANGLO SWISS WATCH CO., 1962-64; JUNIOR DRAFTSMAN, J.S.A., S.T.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1964-87; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : DESIGN AND DRAWING.

LANGUAGES : BENGALI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN AND DRAWING - 29.

6454

SHRI TAPAN KUMAR CHATTERJEE; (B. OCTOBER 3, 1942),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. MECHANICAL - WEST BENGAL '65; UNIVERSITY ENTRANCE EXAM (SCIENCE) - BURDWAN '71.

SPECIALIZATIONS : DEVELOPMENT OF INDUSTRIAL MACHINERY.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1965-83; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF INDUSTRIAL MACHINES AND MACHINE PARTS.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN & DRAWING - 26.

6455

SHRI HIMADRI CHATTOPADHYAY; (B. JANUARY 12, 1967),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.M.E. MECHANICAL - JADAVPUR '88; M.TECH. THERMAL ENGINEERING - I.I.T., KHARAGPUR '90.

SPECIALIZATIONS : HEAT TRANSFER AND FLUID DYNAMICS.

EXPERIENCE : SCIENTIST, C.M.E.R.I., 1990-91; SCIENTIST B, C.M.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 1.

6456

SHRI N CHATTOPADHYAY; (B. OCTOBER 24, 1942),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BURDWAN '65; ELECTRICIAN CERTIFICATE COURSE - I.T.I. '69.

SPECIALIZATIONS : MECHANICAL VIBRATION; NOISE ANALYSIS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1966-88; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN VIBRATION AND NOISE CONTROL.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22.

6457

SHRI S S CHATTOPADHYAY; (B. JANUARY 16, 1938),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.A. - CALCUTTA '65; B.LIB.SC. - JADAVPUR '68; M.LIB. INFORMATION SCIENCE - BURDWAN '82.

SPECIALIZATIONS : LIBRARY SCIENCE; DOCUMENTATION; COMPUTER APPLICATIONS.

EXPERIENCE : CATALOGUER, ASSISTANT LIBRARIAN, J.D.A., S.L.A. AND S.D.A., C.M.E.R.I., 1965-86; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE APRIL, 1986.

PRESENT ACTIVITIES : LIBRARY SCIENCE.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION - 26.

6458

SHRI MANAS DAS; (B. FEBRUARY 4, 1967),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - JADAVPUR '88.

SPECIALIZATIONS : MECHANICAL DESIGN; STEAM TURBINE ENGINEERING.

EXPERIENCE : ENGINEER TRAINEE AND ENGINEER, B.H.E.L., 1988-91; SCIENTIST B, C.M.E.R.I. SINCE MAY, 1991.

PRESENT ACTIVITIES : APPLIED RESEARCH AND CONSULTANCY.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 3.

6459

SHRI S B DAS; (B. AUGUST 20, 1938),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : ELECTRICAL SUPERVISOR'S COMPETENCY EXAMINATION - GOVT OF WEST BENGAL '81.

SPECIALIZATIONS : ELECTRICAL MAINTENANCE.

EXPERIENCE : TECHNICIAN-CUM-LINEMAN, D.T.P.S., DURGAPUR, 1958-61; ELECTRICIAN, FOREMAN, SENIOR FOREMAN AND TECHNICAL OFFICER (A), C.M.E.R.I., 1961-90; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE JUNE, 1990.

PRESENT ACTIVITIES : PREVENTIVE MAINTENANCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

6460

SHRI S K DAS; (B. SEPTEMBER 7, 1938),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - W. BENGAL '61.

SPECIALIZATIONS : COMBUSTION; GASIFICATION.

EXPERIENCE : GRADUATE APPRENTICE, C.F.R.I., 1963; S.L.A., J.S.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1964-84; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE APRIL, 1984.

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 15, DESIGN - 5, TECH. DEV. - 20, PILOT PLANT - 1, OPERATION - 5, TESTING - 10, MAINTENANCE - 5.

6461

SHRI M C DEBNATH; (B. OCTOBER 5, 1942),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6462

SHRI N DEY; (B. FEBRUARY 12, 1937),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : UNIVERSITY ENTRANCE EXAMINATION - BURDWAN '75.

SPECIALIZATIONS : WORKSHOP TECHNOLOGY.

EXPERIENCE : APPRENTICESHIP/OPERATOR, D.V.C., 1954-59; TURNER, I.I.S.C.O., 1959-63; FINE MECHANIC, J.T.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1963-83; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE DECEMBER, 1983.

PRESENT ACTIVITIES : PRODUCTION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PRODUCTION - 29.

6463

SHRI C P DIMRI; (B. APRIL 1, 1936),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN STORES AND PURCHASE - PUNJAB '76; NATIONAL CERTIFICATE EXAMINATION IN SUPERVISION - N.P.C., MADRAS '84.

SPECIALIZATIONS : INDUSTRIAL LIAISON; MATERIALS MANAGEMENT.

EXPERIENCE : ADMINISTRATION, CSIR, NEW DELHI & C.M.E.R.I., DURGAPUR, 1951-66; J.T.A. AND S.T.A., M.E.R.A.D.O., 1966-76; SCIENTIST A, M.E.R.A.D.O. PUNE SINCE FEBRUARY, 1976.

PRESENT ACTIVITIES : INDUSTRIAL LIAISON AND PURCHASE.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNOLOGY TRANSFER - 7, SALES MARKETING - 22, ADMN. - 10.

6464

SHRI S C DUTTA; (B. OCTOBER 2, 1938),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : CERTIFICATE IN DRAFTSMANSHIP - W. BENGAL '59.

SPECIALIZATIONS : DRAWING AND DEVELOPMENT OF AGRICULTURAL MACHINERY AND COMPONENTS.

EXPERIENCE : TRACER, C.F.R.I., 1960-64; JUNIOR DRAFTSMAN, SENIOR DRAFTSMAN, J.T.A., S.T.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1964-86; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : DEVELOPMENT OF INDUSTRIAL MACHINERIES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 24, TECH. DEV. - 30, DRAWING - 30.

6465

SMT SARBARI DUTTA; (B. FEBRUARY 29, 1964),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.S. ELECTRICAL & ELECTRONICS - RUTGERS, U S A '85; M.S. PHYSICS - CARNEGIE MELLON UNIV, U S A '89.

SPECIALIZATIONS : IMAGE PROCESSING; SOFTWARE DEVELOPMENT.

EXPERIENCE : SYSTEM ANALYST, EASTMAN KODAK CO., U S A, 1985-86; SYSTEM ANALYST, DEVELOPMENT CONSULTANT LTD., CALCUTTA, 1990-91; SCIENTIST B, C.M.E.R.I. SINCE APRIL, 1991.

PRESENT ACTIVITIES : IMAGE PROCESSING SOFTWARE DEVELOPMENT.

LANGUAGES : BENGALI, ENGLISH, HINDI.

VISITED : U S A

PROFESSIONAL EXPERIENCE(IN YEARS) : TEACHING - 1, APPLIED RESEARCH - 2.

6466

SHRI R S GANGULY; (B. MARCH 7, 1938),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - W. BENGAL '62.

SPECIALIZATIONS : PROTOTYPE DEVELOPMENT OF HYDRAULIC/MECHANICAL TRANSMISSION.

EXPERIENCE : MECHANICAL DRAFTSMAN, ACC VICKERS BABCOCK LTD., DURGAPUR, 1963-64; TECHNICAL ASSISTANT, TEXMACO, CALCUTTA, 1964-69; S.S.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1969-82; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE FEBRUARY, 1982.

PRESENT ACTIVITIES : DESIGN, DEVELOPMENT, TESTING AND MAINTENANCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 5, TECH. DEV. - 1, CONSULTANCY - 1, OPERATION - 1, TESTING - 3, MAINTENANCE - 3, ADMN. - 2.

6467

SHRI RAMMANI GANGULY; (B.),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '62.

SPECIALIZATIONS : TECHNOLOGY MARKETING.

EXPERIENCE : S.T.A., J.S.A., S.S.A. AND SCIENTIST A, C.M.E.R.I., 1965-84; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE DECEMBER, 1984.

6468

SHRI ASHIM KUMAR GHOSH; (B. JANUARY 1, 1966),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. MECHANICAL - SAMBALPUR '88; M.TECH. MACHINE DESIGN - I.I.T., BOMBAY '90.

SPECIALIZATIONS : DESIGN ENGINEERING; PRODUCT DEVELOPMENT; COMPUTER AIDED DESIGN.

EXPERIENCE : SCIENTIST B, C.M.E.R.I., 1990-91; SCIENTIST B, C.M.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : DEEP SEA MINING.

LANGUAGES : BENGALI, ENGLISH, ORIYA, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 1.

6469

SHRI RANJAN GHOSH; (B. DECEMBER 20, 1966),
SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. ELECTRONICS & TELECOMMUNICATION ENGINEERING - JADAVPUR '89.

EXPERIENCE : ENGINEER, HAMILTON RESEARCH & TECHNOLOGY, 1989-91; SCIENTIST B, C.M.E.R.I. SINCE JULY, 1991.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, DESIGN - 2, TESTING - 2, TECHNICAL DEV. - 2, QUALITY CONTROL - 2, MAINTENANCE - 2, PRODUCTION - 2, ADMINISTRATION - 2.

6470

SHRI S GHOSH; (B. FEBRUARY 13, 1943),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. MECHANICAL - W. BENGAL '63.

SPECIALIZATIONS : WORKSHOP TECHNOLOGY.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1965-84; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE JUNE, 1984.

PRESENT ACTIVITIES : TECHNICAL DEVELOPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 7, MAINTENANCE - 8, PRODUCTION - 4, PLANNING - 7. (TOTAL 26 YEARS)

6471

SHRI S K GHOSH; (B. AUGUST 19, 1940),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BURDWAN '76; N.T.C. AUTOMOBILE - N.C.T.V.T. '66.

SPECIALIZATIONS : OPERATION AND MAINTENANCE OF HEAVY EARTHMOVING EQUIPMENT; AGRICULTURAL MACHINERY; AUTOMOBILE ENGINEERING.

EXPERIENCE : MECHANIC IN A PRIVATE FIRM, 1956-61; MECHANIC-CUM-OPERATOR, RAMGANGA PROJECT, 1963-64; SERVICE REPRESENTATIVE, U.P.C.C. PVT. LTD., 1964-67; J.T.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1967-84; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE NOVEMBER, 1984.

PRESENT ACTIVITIES : TESTING, MAINTENANCE AND TECHNICAL DEVELOPMENT IN AGRICULTURAL MACHINERY.

LANGUAGES : BENGALI, HINDI, ORIYA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 20, TESTING - 20, MAINTENANCE - 26.

6472

SHRI S P GHOSH; (B. JANUARY 2, 1935),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - STATE COUNCIL GOVT OF W. BENGAL '53.

SPECIALIZATIONS : ELECTRICAL MAINTENANCE AND EXECUTION.

EXPERIENCE : ELECTRICIAN INCHARGE, M/S BENGAL COAL CO., 1953-61; SR. ELECT INSTRUCTOR, I.T.I., 1962-65; ELECTRICIAN, FOREMAN, PRINCIPAL FOREMAN AND TECHNICAL OFFICER (A), C.M.E.R.I., 1965-90; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE APRIL, 1990.

6473

SHRI UDAYA SANKAR GHOSH; (B. JANUARY 22, 1953),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - CALCUTTA '73; M.SC. PHYSICS - KALYANI '77; POST M.SC. SOLID STATE PHYSICS - SAHA INSTITUTE OF NUCLEAR PHYSICS, CALCUTTA '80.

SPECIALIZATIONS : SOLID STATE PHYSICS; STRESS ANALYSIS.

EXPERIENCE : RESEARCH FELLOW, SAHA INSTITUTE OF NUCLEAR PHYSICS, CALCUTTA, 1980-83; SCIENTIST B, C.M.E.R.I. SINCE NOVEMBER, 1983.

PRESENT ACTIVITIES : STRESS ANALYSIS.

LANGUAGES : BENGALI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 5.

6474

SHRI JAGOTHARAN GHOSHAL; (B. DECEMBER 20, 1943),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - TECHNICAL BOARD OF WEST BENGAL '65.

SPECIALIZATIONS : CIVIL ENGINEERING WORK.

EXPERIENCE : ASSISTANT GARRISON ENGINEER (A.G.E.), MILITARY ENGINEERING SERVICES, 1983-92; SCIENTIST B, C.M.E.R.I. SINCE JANUARY, 1992.

PRESENT ACTIVITIES : EXECUTION OF WORK; ESTIMATION; CONTROLLING OF WORKS TENDER, ETC.

LANGUAGES : BENGALI, ENGLISH, HINDI.

6475

SHRI R L GUPTA; (B. NOVEMBER 5, 1942),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - PUNJAB '64.

SPECIALIZATIONS : CHEMICAL ANALYSIS OF ENGINEERING MATERIALS; NON-DESTRUCTIVE TESTING; PLANNING OF LABORATORIES.

EXPERIENCE : SCIENCE TEACHER, DEPARTMENT OF EDUCATION, PUNJAB, 1964-65; GRADUATE APPRENTICE, C.M.E.R.I., DURGAPUR, 1965-66; J.S.A., S.T.A. AND SCIENTIST

A, M.E.R.A.D.O., LUDHIANA, 1966-82; TECHNICAL OFFICER (B), M.E.R.A.D.O. LUDHIANA SINCE DECEMBER, 1982.

PRESENT ACTIVITIES : EVALUATION OF ENGINEERING MATERIALS AND PLANNING OF LABORATORIES.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 25, QUALITY CONTROL - 25.

6476

SHRI R C HALDER; (B. DECEMBER 15, 1936),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - DACCA '56.

SPECIALIZATIONS : PROTOTYPE DEVELOPMENT OF HYDRAULIC/MECHANICAL TRANSMISSION.

EXPERIENCE : SUB. ASSISTANT ENGINEER, DREDGER CIRCLE, I.B. IRRIGATION, DACCA, 1956-57; ASSISTANT FOREMAN AND FOREMAN, P&T. WORKSHOP, DACCA, 1957-64; FOREMAN KANYAPUR POLYTECHNIC, ASANSOL, 1965-66; J.S.A. AND S.T.A., C.M.E.R.I., 1966-84; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1984.

PRESENT ACTIVITIES : TESTING, DEVELOPMENT, MAINTENANCE AND DESIGN IN THE AREA OF FLUID MECHANICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 5, TECH. DEV. - 2, CONSULTANCY - 2, OPERATION - 1, TESTING - 5, MAINTENANCE - 5.

6477

SHRI C JEYABAL; (B. JANUARY 5, 1956),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : M.SC. ENGG. - PEOPLES' FRIENDSHIP UNIVERSITY, MOSCOW U.S.S.R. '80.

SPECIALIZATIONS : DESIGN OF INDUSTRIAL DEVELOPMENT OF MACHINE TOOLS; DEVELOPMENT OF INDUSTRIAL MACHINERY; COMPUTER AIDED DESIGN.

EXPERIENCE : POOL OFFICER (C.S.I.R.), C.M.E.R.I., DURGAPUR, 1980-82; SCIENTIST B, M.E.R.A.D.O., MADRAS SINCE JUNE, 1982.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF MACHINE TOOLS; DEVELOPMENT OF INDUSTRIAL MACHINERIES; COMPUTER PROCESSING AND INDUSTRIAL LIAISON.

LANGUAGES : TAMIL, HINDI, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 9, COMPUTER PROCESSING - 4.

6478

SHRI D R KHAN; (B. DECEMBER 15, 1942),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - W. BENGAL '63.

SPECIALIZATIONS : DESIGN OF AGRICULTURAL AND INDUSTRIAL MACHINERY.

EXPERIENCE : GRADUATE APPRENTICE, J.S.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1965-83; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE NOVEMBER, 1983

PRESENT ACTIVITIES : DEVELOPMENT OF INDUSTRIAL MACHINERY.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 23.

6479

SHRI TUMU SATISH KUMAR; (B. AUGUST 26, 1966),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.TECH. MECHANICAL - HYDERABAD '88; M.TECH. RELIABILITY ENGINEERING - I.I.T., KHARAGPUR '90.

SPECIALIZATIONS : MECHANICAL ENGINEERING; RELIABILITY ENGINEERING; TESTING AND RELIABILITY ENGINEERING; RELIABILITY AND QUALITY CONTROL.

EXPERIENCE : MANAGEMENT TRAINEE, CROMPTON GREAVES LTD. (R & D ELECTRONICS), BOMBAY, 1990; ENGINEER, HINDUSTAN MOTORS LTD., INDORE, 1990-91; SCIENTIST B, C.M.E.R.I. SINCE JUNE, 1991.

PRESENT ACTIVITIES : APPLIED RESEARCH; CONSULTANCY; TESTING; QUALITY CONTROL.

LANGUAGES : TELUGU, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING, QUALITY CONTROL, TECHNOLOGY TRANSFER - (TOTAL - 1 YEAR).

6480

SHRI V S VIJAYA KUMAR; (B. JULY 13, 1968),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - OSMANIA 89; M.TECH. I.I.T., KHARAGPUR '91.

SPECIALIZATIONS : MATERIAL HANDLING EQUIPMENT DESIGN; COMPUTER PROGRAMMING; MACHINE DESIGN.

EXPERIENCE : SOFTWARE ENGINEER, INTER SOFT SYSTEMS INDIA LTD., VISHAKHAPATNAM, 1991; SCIENTIST B, C.M.E.R.I. SINCE 1991.

PRESENT ACTIVITIES : DESIGN OF MATERIAL HANDLING EQUIPMENTS AND COMPUTER PROCESSING.

LANGUAGES : TELUGU, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2.

6481

SHRI A N LAHIRY; (B. OCTOBER 2, 1937),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : CERTIFICATE IN DRAUGHTSMANSHIP - B.H.U. '59.

SPECIALIZATIONS : ENGINEERING ARCHIVES.

EXPERIENCE : JUNIOR DRAUGHTSMAN, SENIOR DRAUGHTSMAN, J.S.A., S.S.A. AND SCIENTIST A, C.M.E.R.I., 1962-78; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE DECEMBER, 1978.

PRESENT ACTIVITIES : MACHINE DRAWING AND ENGINEERING ARCHIVES MAINTENANCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 8, MAINTENANCE OF ENGINEERING ARCHIVES - 20.

6482

SHRI BHUSHAN LAL; (B. FEBRUARY 16, 1939),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : CERTIFICATE IN MECHANICAL DRAUGHTSMANSHIP - I.I.T., JAIPUR '58.

SPECIALIZATIONS : DESIGN OF INDUSTRIAL MACHINES; DESIGN OF JIGS AND FIXTURES.

EXPERIENCE : JUNIOR DRAUGHTSMAN, SENIOR DRAUGHTSMAN, J.T.A. AND S.T.A., C.M.E.R.I., DURGAPUR, 1960-70; SCIENTIST A, M.E.R.A.D.O., LUDHIANA, 1970-77; TECHNICAL OFFICER (B), M.E.R.A.D.O., LUDHIANA SINCE SEPTEMBER, 1977.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF INDUSTRIAL MACHINES, JIGS & FIXTURES.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS TAKEN - 1, PROCESSES DEVELOPED - 19, PROCESSES UNDER UTILISATION - 12.

AWARDS & DISTINCTIONS : IMPORTS SUBSTITUTION AWARD FOR DEVELOPMENT OF A TEN HEAD VERTICAL PAPER INSULATION MACHINE, 1965; NRDC AWARD FOR DEVELOPMENT OF AN AUTOMATIC HAND KNITTER, 1982.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, DESIGN - 20, TECHNICAL DEV. - 5.

6483

SHRI R MADHAVAN; (B. NOVEMBER 26, 1947),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - KERALA '67; A.M.I.E. - INSTITUTION OF ENGINEERS (INDIA) '75.

SPECIALIZATIONS : MACHINE DESIGN.

EXPERIENCE : TRAINEE ENGINEER, JAIRAMDAS UDYOG PVT. LTD., BANGALORE AND INSPECTOR, BAJAJ AUTO LTD., POONA, 1969; J.S.A., GR. II & GR. I; A.R.D.E., POONA, 1971-76; S.S.A., M.E.R.A.D.O., POONA, 1976-81; SCIENTIST B, M.E.R.A.D.O., POONA SINCE OCTOBER, 1981.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF MACHINES.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS FILED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 17, QUALITY CONTROL - 2.

6484

SHRI DHANANJOY MAJI; (B. OCTOBER 4, 1942),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. MECHANICAL - WEST BENGAL '63.

SPECIALIZATIONS : COMBUSTION; PROTOTYPE FABRICATION.

EXPERIENCE : ASSISTANT TEACHER, HARISHNAGAR HARIPRIYA BALIKA VIDYALAY, HOOGHLY (W.B.), 1963-64; GOVT. OF INDIA TRAINEE, KANCHRAPARA RAILWAY WORKSHOP, 1964; S.L.A., J.S.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1964-82; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE APRIL, 1982;

PRESENT ACTIVITIES : R & D.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 14, DESIGN - 5, TECHNICAL DEV. - 9, TESTING - 12.

6485

SHRI S S MATHUR; (B. NOVEMBER 30, 1940),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - BOARD OF ENGINEERING EDUCATION, ROORKEE '59.

SPECIALIZATIONS : CIVIL CONSTRUCTION; COLONY MAINTENANCE AND SPECIAL REPAIRS OF MULTI - STOREYED BUILDINGS.

EXPERIENCE : WORK SUPERVISOR, NORTHERN RAILWAY, 1959-61; JR. ENGINEER AND ASST. EXECUTIVE ENGINEER, C.M.E.R.I., 1961-92; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE JANUARY, 1992.

PRESENT ACTIVITIES : CIVIL CONSTRUCTION; COLONY MAINTENANCE; SPACE OF REPAIRS OF MULTI - STOREYED BUILDINGS.

LANGUAGES : HINDI, ENGLISH, BENGALI.

6486

SHRI GOPAL CHANDRA MAZUMDAR; (B. MARCH 1, 1938),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(HONS) STATISTICS - GAUHATI '60; CERTIFICATE IN ELECTRONICS DATA PROCESSING SYSTEM - I.S.I. (CALCUTTA) '65.

SPECIALIZATIONS : STATISTICS; COMPUTER PROGRAMMING.

EXPERIENCE : TEACHER, SIR RAMESH INSTITUTION, 1963-64; STATISTICAL SUPERVISOR, DIRECTORATE OF HEALTH SERVICES, W. BENGAL, 1964-65; J.T.A., I.I.T., KANPUR,

1965; S.S.A. AND SCIENTIST A, C.M.E.R.I., 1965-77; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE JULY, 1977.

PRESENT ACTIVITIES : COMPUTER PROCESSING.

LANGUAGES : BENGALI, HINDI, ASSAMESE, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 24, TEACHING - 1, COMPUTER PROCESSING - 24.

6487

SHRI B N MISRA; (B. JANUARY 10, 1935),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '59.

SPECIALIZATIONS : CHEMICAL ANALYSIS; WELDING TECHNOLOGY.

EXPERIENCE : S.L.A. AND J.S.A., N.M.L., JAMSHEDPUR, 1960-65; S.S.A. AND SCIENTIST A, C.M.E.R.I., 1965-78; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE JANUARY, 1978.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS AND R & D IN WELDING TECHNOLOGY.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 2.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD COMMENDATION FOR A PROCESS SOLDERING AL TO AL AND AL TO CU, 1969.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 23, TESTING - 28, MAINTENANCE - 17.

6488

SHRI S B MISRA; (B. SEPTEMBER 29, 1940)),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - B.H.U. '61.

SPECIALIZATIONS : DETAIL DRAWINGS OF STEEL STRUCTURES; STRUCTURAL APPLICATIONS IN INTERMEDIATE TECHNOLOGY; CIVIL CONSTRUCTION.

EXPERIENCE : SENIOR DRAUGHTSMAN, IRRIGATION DEPT., GOVT. OF U.P., 1961-65; J.S.A. S.T.A. AND SCIENTIST A, C.M.E.R.I., 1965-88; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : STRUCTURAL DESIGN, DRAWING AND PREPARATION OF ESTIMATES.

LANGUAGES : BENGALI, HINDI, URDU, ORIYA, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 3, SCIENTIFIC BOOKS - 3, ARTICLES - 3, POPULAR SCIENCE BOOKS - 4, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, DESIGN - 10, TECH. DEV. - 16, CONSULTANCY - 7, CONSTRUCTION - 12, TESTING - 7, MAINTENANCE - 12, PLANNING - 14, EDITING - 4, DOCUMENTATION - 3, COMPUTER PROCESSING - 2.

6489

SHRI DHIRAJ KUMAR MITRA; (B. MARCH 1, 1944),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. MECHANICAL - WEST BENGAL '64.

SPECIALIZATIONS : DESIGN OF AGRICULTURAL AND INDUSTRIAL MACHINERY.

EXPERIENCE : GOVT. TRAINEE, RIFLE FACTORY, ISHAPORE (W.B.), 1964-65; GRADUATE APPRENTICE, J.S.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1966-83; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE JANUARY, 1983.

PRESENT ACTIVITIES : AGRICULTURAL MACHINERY DESIGN.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, DRAWING & DEV. WORK - 25.

6490

SHRI PRABHAT KUMAR MITRA; (B. DECEMBER 6, 1941),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. MECHANICAL - WEST BENGAL '64.

SPECIALIZATIONS : AUTOMOTIVE AND INDUSTRIAL FILTERS.

EXPERIENCE : GRADUATE APPRENTICE, M/S. DISHERGARH & ASSOCIATED POWER CO., BURDWAN, 1964-66; S.L.A., J.S.A., S.T.A. AND TECH. OFF (A), C.M.E.R.I., 1966-85; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE DECEMBER, 1985.

PRESENT ACTIVITIES : PERFORMANCE EVALUATION OF AUTOMOTIVE AND INDUSTRIAL AIR FILTERS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 2, TESTING - 22.

6491

SHRI SAMBHU PRASAD MITRA; (B. FEBRUARY 3, 1938),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '56; B.A. - CALCUTTA '57; M.A. BENGALI - CALCUTTA '60; KOVID (HINDI) - RASHTRABHASA PRACHAR SAMITY, WARDHA '64.

SPECIALIZATIONS : INFORMATION DISSEMINATION.

EXPERIENCE : ASSTT. TEACHER, R.K.V.S. HIGH SCHOOL, JAMSHEDPUR 1957; ASST., L.I.C. (I), JAMSHEDPUR, 1957-59; S.L.A. AND J.S.A., N.M.L., JAMESHPUR, 1959-66; S.S.A. AND SCIENTIST A, C.M.E.R.I., 1966-78; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE FEBRUARY, 1978.

PRESENT ACTIVITIES : TECHNICAL INFORMATION DISSEMINATION.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ORIYA, URDU, ASSAMESE, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 10, ARTICLES ON LITERATURE - 200.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 15, TECHNOLOGY TRANSFER - 14, EDITING - 4, REPROGRAPHY - 1.

6492

SHRI D V R MURTY; (B. JANUARY 2, 1961),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - OSMANIA '84; M.E. PRODUCTION - DELHI '86.

SPECIALIZATIONS : DESIGN AND PRODUCTION OF MACHINE TOOLS.

EXPERIENCE : FELLOW (CSIR), C.M.E.R.I., 1987-88; SCIENTIST B, C.M.E.R.I. SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : DESIGN AND PRODUCTION OF MACHINE TOOLS.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 1, TECHNICAL DEV. - 1.

6493

SHRI SHIB SANKAR NANDI; (B. NOVEMBER 19, 1949),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - WEST BENGAL '69; A.M.I.E. - INSTITUTION OF ENGINEERS (INDIA) '86.

SPECIALIZATIONS : HIGH PRESSURE BOILER OPERATION.

EXPERIENCE : J.T.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1973-87; SCIENTIST B, C.M.E.R.I. SINCE APRIL, 1987.

PRESENT ACTIVITIES : PROCESS DEVELOPMENT IN F.B.C. AND GASIFICATION.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 1, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 18, APP. RES. - 10, DESIGN - 4, TECHNICAL DEV. - 17, OPERATION - 18.

6494

SHRI K NARAYANAN; (B. OCTOBER 24, 1944),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - KERALA '64; POST DIPLOMA IN METALLURGY - TAMILNADU '73.

SPECIALIZATIONS : MATERIALS TESTING.

EXPERIENCE : DEMONSTRATION, SEETHI SAHIB MEMORIAL POLYTECHNIC, TIRUR, KERALA, 1964-65; GRADUATE APPRENTICE, C.M.E.R.I., DURGAPUR, 1966; J.S.A., S.T.A. AND SCIENTIST A, M.E.R.A.D.O., MADRAS, 1966-81; SCIENTIST B, M.E.R.A.D.O. SINCE DECEMBER, 1981.

PRESENT ACTIVITIES : MATERIALS TESTING.

LANGUAGES : MALAYALAM, TAMIL, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 22, TEACHING - 1.

6495

SHRI N G NATH; (B. APRIL 20, 1935),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.COM. - CALCUTTA '63.

SPECIALIZATIONS : INDUSTRIAL LIAISON; INFORMATION DISSEMINATION.

EXPERIENCE : L.D.C., U.D.C., J.S.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1959-84; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1984.

PRESENT ACTIVITIES : INDUSTRIAL LIAISON; TECHNOLOGY TRANSFER.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNOLOGY TRANSFER, SALES AND MARKETING - 22.

6496

SHRI NIRENDRA KUMAR NEOGY; (B. APRIL 28, 1939),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN AGRICULTURE - AGRICULTURAL EDUCATION BOARD, PATNA '61; B.A. - BHAGALPUR '69.

SPECIALIZATIONS : AGRICULTURE.

EXPERIENCE : FIELD ASST. (HORTICULTURE), DURGAPUR STEEL PLANT, DURGAPUR, 1962-66; GARDEN OVERSEER, C.M.E.R.I., 1966-75; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE JANUARY, 1985.

6497

SHRI PRASANTA KUMAR PAL; (B. DECEMBER 25, 1966),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. MECHANICAL - JADAVPUR '89; M.E. DESIGN/ROBOTICS - I.I.SC. BANGALORE '91.

SPECIALIZATIONS : DESIGN/ROBOTICS.

EXPERIENCE : PROGRAMMER ANALYST, TELCO, 1991; SCIENTIST B, C.M.E.R.I. SINCE JULY, 1991.

PRESENT ACTIVITIES : DESIGN OF ROBOTICS SYSTEMS.

LANGUAGES : BENGALI, ENGLISH, HINDI.

6498

SHRI SATBAL PAUL; (B. SEPTEMBER 2, 1965),
SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RE-
SEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.TECH. NAVAL ARCHITECTURE -
I.I.T., KHARAGPUR '87; M.TECH. OPERATION RESEARCH
- I.I.T., KHARAGPUR '89.

SPECIALIZATIONS : NAVAL ARCHITECTURE; INDUS-
TRIAL ENGINEERING AND OPERATION RESEARCH.

EXPERIENCE : PROJECT TRAINEE, INDIAN EXPLOSIVES
LTD. (ICI), GOMIA, 1988; JUNIOR NAVAL ARCHITECT, GOA
SHIPYARD LTD., VASCO, 1989; MANAGEMENT TRAINEE,
STEEL AUTHORITY OF INDIA LTD., 1989-90; SCIENTIST B,
C.M.E.R.I., 1990-91; SCIENTIST B, C.M.E.R.I. SINCE MARCH,
1991.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF
SEA BED MINING SYSTEM.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
2, DESIGN - 1, QUALITY CONTROL - 1.

6499

**SHRI GAUTAM PURKAYASTHA; (B. FEBRUARY
16, 1963),**

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RE-
SEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. ELECTRICAL - DIBRUGARH '86;
M.E. ELECTRICAL - B.I.T. MESRA, RANCHI '88.

SPECIALIZATIONS : CONTROL SYSTEMS ENGINEERING;
INDUSTRIAL ELECTRONICS AND DRIVES; MICROPROCES-
SOR BASED SYSTEMS DESIGN AND INTERFACING.

EXPERIENCE : EXECUTIVE TRAINEE, HEAVY ENGINEER-
ING CORPORATION LTD., DHUWARA, RANCHI, 1989; SUB-DI-
VISIONAL OFFICER, NORTH EASTERN ELECTRIC POWER
CORPORATION, SHILLONG, 1989; FELLOW, C.M.E.R.I., 1990-91;
SCIENTIST B, C.M.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : APPLIED RESEARCH IN ROBOT-
ICS.

LANGUAGES : BENGALI, ENGLISH, HINDI, ASSAMESE.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
2, MAINTENANCE - 1, IND. MANAGEMENT - 1.

6500

SHRI IMRANUR RAHMAN; (B. JUNE 5, 1961),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RE-
SEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.TECH. CHEMICAL - NAGPUR '83;
M.TECH. CHEMICAL - NAGPUR '87.

SPECIALIZATIONS : ENVIRONMENTAL ENGINEERING.

EXPERIENCE : APPRENTICE, SAVITA CHEMICALS PVT.
LTD., THANE, 1983-84; S.R.F., FELLOW, NEERI, NAGPUR, 1987-
89; PROJECT ENGINEER, NAGPUR POLLUTION CONTROL CO.,
NAGPUR, 1990-91; SCIENTIST B, C.M.E.R.I. SINCE APRIL, 1991.

PRESENT ACTIVITIES : APPLIED RESEARCH IN ENVIRON-
MENTAL ENGINEERING.

LANGUAGES : URDU, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
2, PRODUCTION - 2.

6501

SHRI R RAMAKRISHNAN; (B. MAY 5, 1945),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RE-
SEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. PHYSICS - MADRAS '67; A.M.I.E.
MECHANICAL INSTITUTION OF ENGINEERS (INDIA) '79.

SPECIALIZATIONS : NON-DESTRUCTIVE TESTING;

EXPERIENCE : S.L.A., H.P.F., OOTACAMUND, 1967-71; S.L.A.,
J.S.A., S.S.A. AND SCIENTIST A, M.E.R.A.D.O., MADRAS, 1971-
83; SCIENTIST B, M.E.R.A.D.O. MADRAS SINCE FEBRUARY,
1983.

PRESENT ACTIVITIES : MATERIALS TESTING.

LANGUAGES : TELUGU, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

6502

**SHRI D VENKATESWARA RAO; (B. OCTOBER 8,
1940),**

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RE-
SEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.E.E. ELECTRICAL - ANDHRA
PRADESH - 62.

SPECIALIZATIONS : INDUSTRIAL RADIOGRAPHY.

EXPERIENCE : ELECTRICIAN, S.L.A. AND J.S.A., C.M.E.R.I.,
DURGAPUR/M.E.R.A.D.O., MADRAS, 1963-71; S.T.A. AND SCI-
ENTIST A, M.E.R.A.D.O., 1971-81; SCIENTIST B, M.E.R.A.D.O.
SINCE FEBRUARY, 1981.

PRESENT ACTIVITIES : NON-DESTRUCTIVE TESTING.

LANGUAGES : TELUGU, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING -
18, PLANNING - 4.

6503

**SHRI RASHID-UN-NABI; (B. SEPTEMBER 9,
1944),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGI-
NEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BURDWAN '72.

SPECIALIZATIONS : TESTING OF FILTERS.

EXPERIENCE : LAB. ATTENDANT, J.L.A., S.L.A., J.T.A., S.T.A
AND TECH. OFF. (A), C.M.E.R.I., 1963-89; TECHNICAL OFFICER
(B), C.M.E.R.I. SINCE APRIL, 1989.

PRESENT ACTIVITIES : DEVELOPMENT OF AGRICUL-
TURE AND TRACTOR IMPLEMENTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING -
25.

6504**SHRI A K RAY; (B. JULY 7, 1938),**

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BURDWAN '62; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '78.**SPECIALIZATIONS** : ANALYTICAL CHEMISTRY.**EXPERIENCE** : TRAINEE, E.C.L. ASANSOL AND M/S BENGAL PAPER MILL, RANIGANJ, 1962-64; SCIENCE TEACHER, M.H.S.M. SCHOOL, 1964-81; SCIENTIST B, C.M.E.R.I. SINCE APRIL, 1981.**PRESENT ACTIVITIES** : CHEMICAL ANALYSIS AND RESEARCH.**LANGUAGES** : BENGALI, ENGLISH, HINDI.**PUBLICATIONS & PATENTS** : RES. PAPERS - 2, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 14, TECHNICAL DEV. - 5, TESTING 2, QUALITY CONTROL - 5, PRODUCTION - 2, TEACHING - 1.**6505****SHRI P K RAY; (B. JUNE 15, 1954),**

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. METALLURGICAL ENGINEERING - BURDWAN '77; M.TECH. MECHANICAL SHAPING OF METALS & INDUSTRIAL HEAT TREATMENT - BURDWAN '82.**SPECIALIZATIONS** : METALLURGICAL ENGINEERING; EVALUATION OF MECHANICAL PROPERTIES OF METALS; METALLURGICAL BEHAVIOUR OF MATERIALS; FAILURE ANALYSIS OF ENGINEERING COMPONENTS.**EXPERIENCE** : S.R.F. AND SCIENTIST B (ADHOC), C.M.E.R.I., 1984-88, SCIENTIST B, C.M.E.R.I. SINCE OCTOBER, 1988.**PRESENT ACTIVITIES** : EVALUATION OF MATERIALS AND MATHEMATICAL MODELLING FOR STRUCTURE - PROPERTY RELATIONSHIP.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 2, TECH. DEV. - 1, TESTING - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 2, TECHNICAL DEV. - 1, TESTING - 2.**6506****SHRI S N RAY; (B. APRIL 12, 1941)),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : I.SC.- CALCUTTA '59; NATIONAL TRADE CERTIFICATE IN DRAUGHTSMANSHIP (MECH.) - W.BENGAL '61.**SPECIALIZATIONS** : MACHINE DESIGN AND DEVELOPMENT; MATERIAL HANDLING SYSTEM AND DRAWING; POLLUTION CONTROL SYSTEM; PROCESS PLANT SYSTEM LAYOUT.**EXPERIENCE** : INPLANT TRAINEE, ACC-VICKERS-BABCOCK LTD., DURGAPUR, 1961-62; DRAUGHTSMAN, LUZ-

ELECTRICALS PVT. LTD., CALCUTTA, 1962-64; JUNIOR DRAUGHTSMAN, FRITZ & SINGH PVT. LTD., CALCUTTA, 1964; JUNIOR DRAUGHTSMAN, SENIOR DRAUGHTSMAN, J.T.A., S.T.A AND SCIENTIST A, C.M.E.R.I., 1964-86; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF VARIOUS ENGINEERING PROCESS AND PRODUCTS INCLUDING SOME SYSTEMS OF DEEP SEA-BED MINING. (D.O.D. PROJECT)**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : PATENTS TAKEN - 1.**PROFESSIONAL EXPERIENCE(IN YEARS)** : DESIGN - 3, TECH. DEV. - 27, CONSULTANCY - 11.**6507****SHRI D ROY; (B. MAY 1, 1939),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BURDWAN '73.**SPECIALIZATIONS** : EDITING; INFORMATION DISSEMINATION.**EXPERIENCE** : J.L.A., S.L.A., J.T.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1964-87; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1987.**PRESENT ACTIVITIES** : EDITING AND INFORMATION DISSEMINATION.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : TECHNO-ECONOMIC SURVEYS - 3, TECHNOLOGY TRANSFER - 5, EDITING - 5, DOCUMENTATION - 2, INFORMATION DISSEMINATION - 5.**6508****SHRI D S ROY; (B. FEBRUARY 9, 1938),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - BURDWAN '76.**EXPERIENCE** : S.L.A., J.S.A., S.S.A AND SCIENTIST A, C.M.E.R.I., 1966-88; (ALSO ONE YEAR TRAINING IN D.T. & N.D.T. AT INDO-JAPANESE PROTOTYPE PRODUCTION & TRAINING CENTRE, HOWRAH; FOUR WEEKS TRAINING IN INDUSTRIAL APPLICATION OF THE RADIATION SOURCES & THEIR SAFETY ASPECTS AT B.A.R.C., TROMBAY); TECHNICAL OFFICER (B), C.M.E.R.I. SINCE APRIL, 1988.**LANGUAGES** : BENGALI, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : CONSULTANCY - 3, TESTING, QUALITY CONTROL AND MAINTENANCE - (TOTAL : 26 YEARS).**6509****SHRI K K ROYCHOWDHURI; (B. JANUARY 17, 1943),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : SCHOOL FINAL EXAMINATION - WEST BENGAL '60; CERTIFICATE IN MECHANICAL

DRAUGHTSMANSHIP - GEORGE TELEGRAPH TRAINING INSTITUTE, CALCUTTA.

SPECIALIZATIONS : MECHANICAL DRAWING AND DESIGN.

EXPERIENCE : DRAFTSMAN, H. GURU, CALCUTTA, 1962-64; TRACER, JR. DRAFTSMAN, J.T.A., S.T.A AND TECHNICAL OFFICER (A), C.M.E.R.I., 1964-87; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : DESIGN AND DRAWING; EPOXY CONCRETE MACHINE DESIGN.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN & DRAWING - 26.

6510

SHRI S K SAHA; (B. FEBRUARY 15, 1940),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : NATIONAL TRADE CERTIFICATE - MINISTRY OF LABOUR AND EMPLOYMENT '65.

SPECIALIZATIONS : WORKSHOP TECHNOLOGY.

EXPERIENCE : APPRENTICE & FITTER, JAMES WARREAN AND CO, CALCUTTA, 1956-60; MECHANIC, SENIOR FITTER, J.T.A., S.T.A. AND SCIENTIST A, C.M.E.R.I., 1960-89; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : FABRICATION AND SUPERVISION OF PROTOTYPE AND PRECISION WORKS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PRODUCTION - 32.

6511

SHRI D SARAVANAN; (B. JANUARY 17, 1942),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - TAMILNADU '65; POST DIPLOMA IN TOOL DESIGN - CENTRAL POLYTECHNIC - MADRAS '73.

EXPERIENCE : DRAUGHTSMAN, INDIAN REFRIGERATION INDUSTRIES (P) LTD., COIMBATORE, 1964-66; JR. DRAUGHTSMAN, SR. DRAUGHTSMAN, J.T.A. AND S.T.A., M.E.R.A.D.O., MADRAS 1966-83; SCIENTIST A, M.E.R.A.D.O., MADRAS SINCE JANUARY, 1983.

PRESENT ACTIVITIES : DESIGN & DRAWING.

LANGUAGES : TELUGU, TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, PROTOTYPE FABRICATION - 3, TESTING - 2, DESIGN - 20, TECHNICAL DEV. - 20

6512

SHRI B SARKAR; (B. MARCH 1, 1942),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : NATIONAL TRADE CERT. IN MECHANICAL DRAUGHTSMANSHIP-WEST BENGAL 1962;

P.U.E. (SC) - BURDWAN '75; PRAVEEN HINDI - MIN. OF EDUCATION '85.

SPECIALIZATIONS : DRAUGHTSMANSHIP; MACHINE DESIGN; CABLE MAKING MACHINES; COIL EXPANDING AND SPREADING MACHINES.

EXPERIENCE : APPRENTICE DRAFTSMAN, TITAGHUR PAPER MILLS, TITAGHUR, 1963-64; JUNIOR DRAFTSMAN, SENIOR DRAFTSMAN, J.T.A., S.T.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1964-86; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : DRAWING, DESIGN AND DEVELOPMENT.

LANGUAGES : BENGALI, HINDI, ASSAMESE, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS - 1.

AWARDS & DISTINCTIONS : NRDC CERTIFICATE OF AWARD FOR HYDRAULICALLY OPERATED COIL EXPANDING AND SPREADING MACHINE, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONCEPTUAL DESIGN & DRAWING - 24.

6513

SHRI D K SARKAR; (B. DECEMBER 21, 1941),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : CERTIFICATE IN MECHANICAL DRAUGHTSMANSHIP - WEST BENGAL '61.

SPECIALIZATIONS : MECHANICAL DRAWING.

EXPERIENCE : TRACER, JR. D/MAN, J.T.A., S.T.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1964-87; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : DESIGN & DRAWING OF EPOXY CONCRETE MACHINES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN & DRAWING - 27.

6514

SHRI KRISHNENDU SARKAR; (B. OCTOBER 20, 1966),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(ENGG) ELECTRICAL - RANCHI '89; A.I.S.C. INFORMATION SCIENCE - INSDOC/CSIR '92.

SPECIALIZATIONS : INFORMATICS.

EXPERIENCE : ENGINEER (ERECTION & COMMISSIONING), INSTRUMENTATION INDIA LTD., 1990; SCIENTIST B, C.M.E.R.I. SINCE AUGUST, 1992.

PRESENT ACTIVITIES : INFORMATION PROCESSING AND ORGANISATION.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : ARTICLES - 1.

6515**SHRI S C SARKAR; (B. JANUARY 1, 1940),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN DRAFTSMANSHIP - W. BENGAL '62.**SPECIALIZATIONS :** MACHINE DESIGN.**EXPERIENCE :** TRACER, JUNIOR DRAFTSMAN, SENIOR DRAFTSMAN, J.T.A., S.T.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1963-86; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1986.**PRESENT ACTIVITIES :** MACHINE DESIGN AND DEVELOPMENT.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** DESIGN - 26.**6516****SHRI T K SARKAR; (B. AUGUST 19, 1942),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - STATE BOARD OF TECH EDUCATION U.P. '62**SPECIALIZATIONS :** HANDLING OF SOLIDS THROUGH PUMPS.**EXPERIENCE :** TECH. APPRENTICE AND S.D.M. GR. II, H.E.(I) LTD., BHOPAL, 1962-65; S.S.A. AND SCIENTIST A, C.M.E.R.I., 1965-78; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE MAY, 1978.**PRESENT ACTIVITIES :** R & D IN FLUID MECHANICS.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 8, DESIGN - 8, OPERATION - 5, MAINTENANCE - 3.**6517****SHRI S B SENGUPTA; (B. JANUARY 4, 1939),**

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - A.M.U. '69.**SPECIALIZATIONS :** PRODUCTION ENGINEERING; METROLOGY; MECHANICAL TESTING.**EXPERIENCE :** S.S.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1974-87; SCIENTIST B, C.M.E.R.I. SINCE FEBRUARY, 1987.**PRESENT ACTIVITIES :** R & D.**LANGUAGES :** BENGALI, HINDI, ENGLISH, RUSSIAN.**PROFESSIONAL EXPERIENCE(IN YEARS) :** DESIGN - 9, TECH. DEV. - 2, TESTING - 6.**6518****SHRI V K SHAH; (B. SEPTEMBER 22, 1951),**

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.E. METALLURGY - POONA '74; M.E. METALLURGY - POONA '79.**SPECIALIZATIONS :** METALLOGRAPHY; NON-DESTRUCTIVE TESTING.**EXPERIENCE :** J.R.F. AND S.R.F., M.E.R.A.D.O., PUNE, 1977-81; SCIENTIST B, M.E.R.A.D.O. SINCE MARCH, 1981.**PRESENT ACTIVITIES :** QUALITY CONTROL.**LANGUAGES :** GUJARATI, HINDI, MARATHI, ENGLISH.**PUBLICATIONS & PATENTS :** TECH. REPORTS - 6.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 2, TECHNICAL DEV. - 2, TESTING - 10, QUALITY CONTROL - 10.**6519****SHRI J R SHARMA; (B. OCTOBER 25, 1943),**

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : CERTIFICATE IN DRAFTSMANSHIP - I.T.I., ROHTAK '62; DIPLOMA IN ADVANCED DRAFTSMANSHIP - DELHI '64.**SPECIALIZATIONS :** DESIGN OF INDUSTRIAL MACHINES.**EXPERIENCE :** DRAUGHTSMAN (MECH.) - PRINCE MANUFACTURING CO., JULLUNDUR AND SIR GANGA RAM & SONS, MALERKOTTA, PUNJAB, 1962-63; DRAUGHTSMAN, ASHOK TECH. INST., VIDISHA, M.P., 1964-65; J.S.A., S.T.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1965-88; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES :** DESIGN AND DRAWING.**LANGUAGES :** PUNJABI, HINDI, BENGALI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** DESIGN & DRAWING - 26.**6520****SHRI H A SHINDE; (B. JANUARY 7, 1943),**

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : MECHANICAL DRAUGHTSMANSHIP - I.I.T., RAJKOT '62; ADVANCED DRAUGHTSMANSHIP - P.T.C., OKHLA, NEW DELHI '64.**SPECIALIZATIONS :** MACHINE DRAWING.**EXPERIENCE :** SR. DRAUGHTSMAN, ENGINEERING COLLEGE, VIDISHA, 1964-65; SR. DRAUGHTSMAN, N.M.L., JAMSHEDPUR, 1965-71; J.S.A. AND S.S.A., M.E.R.A.D.O., PUNE, 1971-82; SCIENTIST A, M.E.R.A.D.O., PUNE SINCE FEBRUARY, 1982.**PRESENT ACTIVITIES :** DESIGN AND DRAWING.**LANGUAGES :** MARATHI, HINDI, GUJARATI, BENGALI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** DESIGN - 23.**6521****SHRI BHUP NARAYAN SINGH; (B. JUNE 16, 1958),**

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - VISWA BHARTI '81.

SPECIALIZATIONS : SPECTROSCOPIC ANALYSIS; CHEMICAL ANALYSIS.

EXPERIENCE : J.R.F., M.E.R.A.D.O., PUNE, 1982-83; SCIENTIST B, M.E.R.A.D.O., PUNE SINCE AUGUST, 1983.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS; MATERIALS EVALUATION.

LANGUAGES : HINDI, BENGALI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, TESTING - 5, QUALITY CONTROL - 5.

6522

SHRI D P SINHA; (B. JANUARY 4, 1941),

TECHNICAL OFFICER (B), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : DIPLOMA IN DRAFTSMANSHIP - W. BENGAL '60; P.U.E. (SC.) - BURDWAN '71

SPECIALIZATIONS : MACHINE DRAWING.

EXPERIENCE : TRACER, KANGSABATI PROJECT, GOVT. OF WEST BENGAL, 1961-62; JUNIOR DRAFTSMAN, SENIOR DRAFTSMAN, J.S.A., S.T.A. AND TECHNICAL OFFICER (A), C.M.E.R.I., 1963-87; TECHNICAL OFFICER (B), C.M.E.R.I. SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : MACHINE DRAWING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN & DRAWING - 28.

6523

SHRI J P SINHA; (B. FEBRUARY 18, 1946),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '68; A.M.M.I.M., CALCUTTA '90.

SPECIALIZATIONS : NON-DESTRUCTIVE TESTING.

EXPERIENCE : J.S.A. AND S.S.A., M.E.R.A.D.O., PUNE, 1973-82; TECHNICAL OFFICER (A) C.M.E.R.I., 1982-87; SCIENTIST B, C.M.E.R.I. SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : NON-DESTRUCTIVE TESTING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 18.

6524

SHRI M C SURENDRAN; (B. MAY 20, 1948),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : B.TECH. AGRICULTURE ENGINEERING - I.I.T., KHARAGPUR '71; M.TECH. AGRICULTURE ENGINEERING - I.I.T., KHARAGPUR '74; DIPLOMA IN MANAGEMENT - A.I.M.A., NEW DELHI '83.

SPECIALIZATIONS : FARM MACHINERY AND POWER; TECHNOLOGY UTILIZATION; PLANNING AND APPRAISAL OF INDUSTRIAL PROJECTS.

EXPERIENCE : JUNIOR ENGINEER, K.A.M.C.O., ATHANIER-NAKULAM DT., 1974-76; S.S.A., E.M.R. UNIT, CSIR, 1976-81; SCIENTIST B, CSIR TRIVANDRUM, 1981-85; SCIENTIST B, CSIR

HQRS, 1985-90; SCIENTIST C, M.E.R.A.D.O. COCHIN SINCE AUGUST, 1990.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

VISITED : U.K., GERMANY.

PUBLICATIONS & PATENTS : TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, TECHNOLOGY TRANSFER - 4, SALES MARKETING - 2.5, SCIENTIFIC COLLABORATION - 5, EXTRA MURAL RESEARCH - 4.5.

6525

SHRI A NARAYANA SWAMY; (B. MAY 29, 1946),

SCIENTIST B, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. - MADRAS '66; A.M.I.E. MECHANICAL ENGINEERING - INSTITUTION OF ENGINEERS (INDIA) '73.

SPECIALIZATIONS : MACHINE DESIGN; PREPARATION OF PROJECT REPORTS; SOFTWARE DEVELOPMENT.

EXPERIENCE : SUBORDINATE ENGINEER, BINNY ENGG. LTD., MADRAS, 1966-69; PLANNING ASSTT., GE DEE WEILER P. LTD., COIMBATORE, 1969-71; J.S.A., N.A.L., BANGALORE, 1971-73; S.S.A., M.E.R.A.D.O., POONA, 1973-75; S.S.A. AND SCIENTIST A, M.E.R.A.D.O., MADRAS, 1975-81; SCIENTIST B, M.E.R.A.D.O., MADRAS SINCE MARCH, 1981.

PRESENT ACTIVITIES : MACHINE DESIGN AND DEVELOPMENT.

LANGUAGES : TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 2, PROCESS UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, DESIGN - 7, TECHNICAL DEV. - 6, PILOT PLANT - 1, TESTING - 2.5, TECHNO-ECONOMIC SURVEYS - 1, PLANNING - 5.

6526

SHRI G C AICH; (B. JULY 15, 1941),

TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6527

SHRI N K BANERJEE; (B. JANUARY 1, 1939),

TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6528

SHRI A BANIK; (B. SEPTEMBER 30, 1935),

TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6529

SHRI G C BASU; (B. NOVEMBER 7, 1946),
SCIENTIST A, CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6530

SHRI B BHATTACHARJEE; (B. JANUARY 10, 1940),
TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6531

SHRI S M CHAKRABORTY; (B. JANUARY 4, 1938),
TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.
QUALIFICATIONS : MECHANICAL DRAFTSMANSHIP - G.T. TRAINING INSTITUTE, CALCUTTA '61.
SPECIALIZATIONS : DRAUGHTSMANSHIP.
EXPERIENCE : PROJECT DRAFTSMAN, ALUMINIUM CORPORATION OF INDIA, J K NAGAR, 1961-64; JR. DRAFTSMAN, C.M.E.R.I., 1964-87; TECHNICAL OFFICER (A), C.M.E.R.I. SINCE MAY, 1987.

6532

SHRI S K CHATTERJEE; (B. FEBRUARY 20, 1945),
TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6533

SHRI A CHOUDHURY; (B. JANUARY 13, 1944),
TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.
QUALIFICATIONS : B.A. - DELHI '71.
SPECIALIZATIONS : TECHNOLOGY TRANSFER.
EXPERIENCE : L.D.C., C.E.E.R.I., PILANI, 1965-66; L.D.C., P.I.D., NEW DELHI, 1966-74; JR. ACCOUNTANT, C.M.E.R.I., 1974-76; JR. ACCOUNTANT AND S.T.A., MERADO LUDHIANA, 1976-86; TECHNICAL OFFICER (A), C.M.E.R.I. SINCE DECEMBER, 1986.
PRESENT ACTIVITIES : COORDINATION; TECHNOLOGY MARKETING.
LANGUAGES : BENGALI, HINDI, ENGLISH, PUNJABI, URDU.

6534

SHRI B N CHOUDHURY; (B. JANUARY 5, 1943),
TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6535

SHRI S K DAS; (B. FEBRUARY 28, 1938),
TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6536

SHRI M L GUPTA; (B. FEBRUARY 23, 1940),
TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.
QUALIFICATIONS : MATRIC - BIHAR '58; CERTIFICATE IN MECHANICAL DRAWING - I.T.I., BIHAR '60.
SPECIALIZATIONS : MECHANICAL DRAWING.
EXPERIENCE : ASSISTANT FOREMAN, ASIATIC OXYGEN & ACETYLENE CO. LTD., 1961-63; T/SUPERVISOR, BRITISH ROPEWAY CO., DHANBAD, 1963-64; JR. DRAUGHTSMAN, J.T.A. AND S.T.A., C.M.E.R.I., 1964-85; TECHNICAL OFFICER (A), C.M.E.R.I., SINCE, 1985.
PRESENT ACTIVITIES : DRAWING & SUPERVISION.
LANGUAGES : HINDI, BENGALI, ENGLISH.
PROFESSIONAL EXPERIENCE (IN YEARS) : DRAWING & SUPERVISION - 26.

6537

SHRI D MANDAL; (B. JULY 18, 1937),
TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6538

SHRI V N MISHRA; (B. JANUARY 1, 1942),
TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.
QUALIFICATIONS : INTERMEDIATE IN SCIENCE - U.P. BOARD, ALLAHABAD '61.
EXPERIENCE : J.L.A., S.L.A., J.T.A. AND S.T.A., C.M.E.R.I., 1962-87; TECHNICAL OFFICER (A), C.M.E.R.I. SINCE APRIL, 1987.
PRESENT ACTIVITIES : TECHNICAL SUPPORT SERVICE.
LANGUAGES : HINDI, ENGLISH, BENGALI, SANSKRIT.

6539

MRS SYAMALA NARAYANAN; (B. AUGUST 12, 1946),
TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.
QUALIFICATIONS : DIPLOMA IN ELECTRONICS - TAMILNADU '65.
SPECIALIZATIONS : METROLOGY.
EXPERIENCE : GRADUATE APPRENTICE, C.E.C.R.I., KARAIKUDI, 1967-68; FINE MECHANIC, S.L.A., J.T.A. AND S.T.A., M.E.R.A.D.O., MADRAS, 1968-85; SCIENTIST A, M.E.R.A.D.O., MADRAS SINCE OCTOBER, 1985.
PRESENT ACTIVITIES : TESTING.

LANGUAGES : MARATHI, TAMIL, MALAYALAM, ENGLISH.
PROFESSIONAL EXPERIENCE (IN YEARS) : TESTING - 20.

6540

SHRI S N PAUL; (B. JUNE 12, 1935),

TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

6541

SHRI S R PERI; (B. OCTOBER 4, 1941),

TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : NATIONAL TRADE CERTIFICATE OF TURNER - INDUSTRIAL TRAINING INSTITUTE - KAKI-NADA '60.

SPECIALIZATIONS : MECHANICAL FABRICATION.

EXPERIENCE : MECHANIC C, HINDUSTAN AIRCRAFT LTD., BANGALORE, 1960-62; TECHNICAL OFFICER (A), C.M.E.R.I. SINCE AUG, 1987.

PRESENT ACTIVITIES : TECHNICAL SUPPORT TO SCIENTISTS & SUPERVISING MANUFACTURING PRECISION COMPONENTS.

LANGUAGES : TELUGU, HINDI, BENGALI, ENGLISH.

6542

SHRI M S PRAMANIK; (B. NOVEMBER 7, 1941),

TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : CERTIFICATE OF TURNER - I.T.I., DURGAPUR '65.

EXPERIENCE : MECHANIC, H.E.C., DURGAPUR, 1963-65; FINE MECHANIC, C.M.E.R.I., 1992-93; TECHNICAL OFFICER (A), C.M.E.R.I. SINCE JANUARY, 1993.

LANGUAGES : BENGALI.

6543

SHRI D C SARKAR; (B. JULY 20, 1951),

TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : L.M.E. MECHANICAL ENGINEERING - STATE COUNCIL FOR ENGINEERING TECH. EDUCATION '71; A.M.I.E. MECHANICAL ENGINEERING - INSTITUTION OF ENGINEERS (INDIA) '84.

SPECIALIZATIONS : DESIGN AND DRAWING.

EXPERIENCE : TRAINEE, BOARD OF PRAC. TRAINING, 1972-73; JR. D/MAN, TECH. ASST. A AND TECH. ASST. B, C.M.E.R.I., 1973-89; TECHNICAL OFFICER (A), C.M.E.R.I. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : DESIGN; DEVELOPMENT OF SPARE PARTS.

LANGUAGES : BENGALI, ENGLISH, HINDI.

6544

SHRI A K SINHA; (B. MAY 17, 1936),

TECHNICAL OFFICER (A), CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR.

QUALIFICATIONS : RASHTRABHASHA PRAVESH - RASHTRABHASHA PRACHAR SAMITI '55; DIPLOMA IN DRAUGHTSMANSHIP (MECHANICAL) - CALCUTTA STATE '56.

SPECIALIZATIONS : MECHANICAL DRAWING AND DEVELOPMENT.

EXPERIENCE : DRAUGHTSMAN APPRENTICE, D.V.C., ALIPORE, CALCUTTA, 1956-57; TRACER, D.V.C., CON.DIV. - I, BURDWAN, 1957; DRAUGHTSMAN (TEMPORARY), DIRECTORATE OF INDUSTRIES, 1957-60; TRACER, DURGAPUR PROJECT LTD., 1960-64; JR. DRAUGHTSMAN, J.T.A. AND S.T.A., C.M.E.R.I., 1964-87; TECHNICAL OFFICER (A), C.M.E.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : DRAWING AND DEVELOPMENT.

LANGUAGES : BENGALI, ENGLISH, HINDI, SANSKRIT.

**National Environmental Engineering
Research Institute, Nagpur**

6545

PROF PURUSHOTTAM KHANNA; (B. JULY 14, 1942),

DIRECTOR, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. (HONS.) CIVIL ENGINEERING - JABALPUR '64; M.E. (HONS) PUBLIC HEALTH ENGINEERING - ROORKEE '66; PH.D. ENVIRONMENTAL ENGINEERING - ROORKEE '72.

SPECIALIZATIONS : ENVIRONMENTAL ENGINEERING; ENVIRONMENTAL SYSTEMS MODELLING & OPTIMISATION; ENVIRONMENTAL IMPACT & ASSESSMENT; ENVIRONMENTAL BIOTECHNOLOGY.

EXPERIENCE : LECTURER AND READER, ROORKEE UNIVERSITY, 1966-77; (ALSO VISITED U.K. UNDER WHO FELLOWSHIP, 1976); PROFESSOR, I.I.T., BOMBAY, 1977-86); (ALSO UNICEP CONSULTANT IN BHUTAN FOR SIX MONTHS, 1978-82); DIRECTOR, N.E.E.R.I. SINCE JANUARY, 1987.

PRESENT ACTIVITIES : R & D AND R & D MANAGEMENT IN ENVIRONMENTAL SCIENCE AND ENGINEERING.

LANGUAGES : HINDI, ENGLISH, GERMAN.

VISITED : U.K., SRI LANKA, W. GERMANY, BHUTAN, PAKISTAN, FRANCE, KENYA, U S A, MEXICO, BRAZIL, SWITZERLAND, THAILAND, NEPAL, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 170, TECH. REPORTS - 150, SCIENTIFIC BOOKS - 4, CHAPTERS.

AWARDS & DISTINCTIONS : KHOSLA RESEARCH AWARD, ROORKEE UNIVERSITY, 1974-77; GOLDEN JUBILEE AWARD, I A E C, 1980; PODDAR MEMORIAL AWARD FOR POLLUTION CONTROL, BHARAT CHAMBER OF COMMERCE, 1986; ENVIRONMENTAL ENGINEERING DESIGN AWARD, INSTITUTION OF ENGINEERS (INDIA), 1989; FICCI AWARD FOR ENVIRONMENTAL PRESERVATION & POLLUTION CONTROL, 1990; FELLOW, INDIAN ACADEMY OF ENGINEERING, 1991; FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1991; ENGINEERING PERSONALITY AWARD, INSTITUTION OF ENGINEERS (INDIA), 1993; SWAMI PRANAV NANDA AWARD, UGC, 1994.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 27, APP. RES. - 27, DESIGN - 27, TECHNICAL DEV. - 23, PILOT PLANT - 23, CONSULTANCY - 37, R & D MANAGEMENT - 10, TEACHING - 20, PLANNING - 18, TECHNOLOGY TRANSFER - 10, ADMINISTRATION - 18, EXTENSION - 15.

6546

SHRI KAJAL KANTI DAS; (B. DECEMBER 31, 1946),

SCIENTIST EI AND HEAD, NEERI ZONAL LABORATORY, CALCUTTA (N.E.E.R.I., NAGPUR).

QUALIFICATIONS : B.CHEM.E. CHEMICAL ENGINEERING - JADAVPUR '68; M.TECH. CHEMICAL ENGINEERING - I.I.T., KHARAGPUR '70.

SPECIALIZATIONS : INDUSTRIAL WASTE WATER TREATMENT AND DISPOSAL; AIR POLLUTION CONTROL; CHEMICAL PLANT AND EQUIPMENT DESIGN; ENVIRONMENTAL IMPACT ANALYSIS AND ASSESSESSMENT.

EXPERIENCE : CHEMICAL OPERATOR, ORGANON INDIA LTD., CALCUTTA, 1970-71; CHEMICAL ENGINEER, KNIK CHEMICAL ENGINEERS PVT. LTD., BOMBAY, 1971-72; SENIOR ENGINEER, THE A.P.V. ENGINEERING CO. LTD., CALCUTTA,

1972-76; SCIENTIST C, N.E.E.R.I., 1976-83; (ALSO ADVANCED TRAINING IN POLLUTION ABATEMENT IN PULP AND PAPER INDUSTRY, UNDER F.A.O. PROGRAMME, SWEDEN, 1980); SCIENTIST EI, N.E.E.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN TREATMENT AND DISPOSAL OF INDUSTRIAL WASTE WATER; CONSULTANCY TO INDUSTRY ON DESIGN AND CONSTRUCTION OF WASTE WATER TREATMENT PLANTS; AIR POLLUTION MONITORING AND CONTROL; EIA STUDIES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : SWEDEN.

PUBLICATIONS & PATENTS : TECH. REPORTS - 36, ARTICLES - 21.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 6, DESIGN - 6, CONSULTANCY - 5, OPERATION - 1, TECHNOLOGY TRANSFER - 4, SALES MARKETING - 5.

6547

SHRI K R BULUSU; (B. MARCH 23, 1937),

SCIENTIST G, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR. NAGPUR.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - JADAVPUR '58; M.SC. PUBLIC HEALTH ENGINEERING - UNIVERSITY OF NEW CASTLE-UPON-TYNE, U.K. '67.

SPECIALIZATIONS : ENVIRONMENTAL ENGINEERING - ITS ANALYTICAL AND QUALITY CONTROL ASPECTS; WATER CHEMISTRY; CHARACTERISATION AND TREATMENT OF INDUSTRIAL WASTEWATER; SURVEY AND SELF-PURIFICATION CAPACITY STUDIES ON WASTEWATER DRAINS AND RIVERS; LOW COST WASTE TREATMENT METHODS; BIOLOGICAL DISC UNITS, OXIDATION PONDS, AEROBIC AND ANAEROBIC LAGOONS.

EXPERIENCE : J.R.F. (C.S.I.R.), 1958-59; ASSISTANT EXECUTIVE ENGINEER, BIRD AND CO. LTD, CALCUTTA, 1959-61; SCIENTIST B, SCIENTIST C, SCIENTIST EI, SCIENTIST E-II AND SCIENTIST F, N.E.E.R.I., 1961-90; (ALSO HIGHER TRAINING IN WATER POLLUTION CONTROL, UNDER COLOMBO PLAN, U.K. 1966-67; AND CONSULTANT (WHO) TO GOVERNMENT OF TANZANIA AND KENYA ON WATER TREATMENT PROBLEMS, 1971-72); ACTING DIRECTOR, N.E.E.R.I. WITH EFFECT FROM 19-10-84 TO 18-01-87; FROM 19-01-87 AS DUPUTY DIRECTOR AND INTERNAL COORDINATOR, WATER TECHNOLOGY MISSION AND GOI'S 35 POINT ACTION PLAN BASED ON THE MANIFESTO OF THE NATIONAL FRONT; SCIENTIST G, N.E.E.R.I. SINCE MARCH, 1990.

PRESENT ACTIVITIES : RESEARCH, DEVELOPMENT AND CONSULTANCY IN ENVIRONMENTAL ENGINEERING WITH PARTICULAR REFERENCE TO WATER QUALITY AND TREATMENT.

LANGUAGES : TELUGU, HINDI, ENGLISH.

VISITED : U.K., FRANCE, BELGIUM, THE NETHERLANDS, GERMANY, TANZANIA, CONGO, KENYA, SWITZERLAND, LUXEMBOURG, U.S.S.R., NEPAL.

PUBLICATIONS & PATENTS : RES. PAPERS - 70, TECH. REPORTS - 22, PATENTS TAKEN - 6, PATENTS FILED - 9, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 4.

AWARDS & DISTINCTIONS : CASH AWARDS FOR 4 RESEARCH PAPERS.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, TECH. DEV. - 13, CONSULTANCY - 12, R & D MGMT. - 16, ADMN. - 16, DESIGN - 8, PILOT PLANT - 6, QUALITY CONTROL

- 6, TECHNOLOGY TRANSFER - 6, BASIC RES. - 3, TEACHING - 3.

6548

DR AMRIT LAL AGGARWAL; (B. JANUARY 21, 1946),

SCIENTIST F, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - I.I.T., KANPUR '68; M.TECH. ENVIRONMENTAL ENGINEERING - I.I.T., KANPUR '71; PH.D. ENVIRONMENTAL SCIENCE - GUJARAT '77.

SPECIALIZATIONS : ENVIRONMENTAL IMPACT AND CAPACITY BASED PLANNING; AMBIENT AIR POLLUTION MONITORING NETWORK PLANNING AND MODELLING; INSTRUMENTATION; AIR POLLUTION CONTROL TECHNOLOGY; SMALL/MEDIUM SCALE INDUSTRIES MODELLING; OPTIMIZATION IN POLLUTION CONTROL MANAGEMENT.

EXPERIENCE : RESEARCH OFFICER AND SENIOR RESEARCH OFFICER, NATIONAL INSTITUTE OF OCCUPATIONAL HEALTH, AHMEDABAD, 1971-81; (ALSO HIGHER RESEARCH IN AIR POLLUTION MANAGEMENT, UNDER W.H.O. PROGRAMME, NETHERLANDS, GERMANY, POLAND AND ITALY, 1976-77; AND STUDY TOUR, U S A AND EUROPE, 1978 AND 1982 UNDER INDO-USSR BILATERAL PROGRAMME IN S & T COLLABORATION); ASSOCIATE PROFESSOR, I.I.T., BOMBAY, 1982; SCIENTIST EII, N.E.E.R.I., 1982-91; SCIENTIST F, N.E.E.R.I. SINCE DECEMBER, 1991.

PRESENT ACTIVITIES : EIA (PROJECT/REGIONAL LEVEL AND CARRYING CAPACITY BASED), R & D IN AIR POLLUTION MONITORING/ CONTROL MODELLING/ OPTIMIZATION AND PACKAGE DEVELOPMENT.

LANGUAGES : HINDI, GUJARATI, ENGLISH.

VISITED : THE NETHERLANDS, W. GERMANY, POLAND, FRANCE, ITALY, BELGIUM, U S A, U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 100, TECH. REPORTS - 50, ARTICLES - 25.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. AND R & D MGMT. - 20.

6549

DR S D BADRINATH; (B. JANUARY 20, 1943),

SCIENTIST F, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. CIVIL - MADRAS '66; M.E. PUBLIC HEALTH ENGINEERING - CALCUTTA '74; POST GRADUATE DIPLOMA IN SANITARY ENGINEERING - DELFT UNIVERSITY, THE NETHERLANDS '76; PH.D. ENVIRONMENTAL ENGINEERING - NAGPUR '87.

SPECIALIZATIONS : ENVIRONMENTAL IMPACT AND RISK ASSESSMENT; INDUSTRIAL WASTE TREATMENT; ENERGY RECOVERY SYSTEMS; WASTE WATER RECYCLING; TEXTILE, TANNERY FERTILISER PETROCHEMICALS; DAIRY & PAPER DISTILLERY WASTES TREATMENT; ENVIRONMENT MANAGEMENT FOR MINING, NUCLEAR & THERMAL POWER PLANTS.

EXPERIENCE : ASSISTANT SITE ENGINEER, THE COROMANDEL ENGINEERING (P) LTD., 1966-67; ASSISTANT ENGINEER, ASSISTANT EXECUTIVE ENGINEER AND EXECUTIVE ENGINEER, TAMIL NADU WATER SUPPLY AND DRAINAGE

BOARD, 1967-79; SCIENTIST C, SCIENTIST EI AND SCIENTIST EII 1979-91; SCIENTIST F, N.E.E.R.I. SINCE MARCH, 1991.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL POLLUTION CONTROL ; WATER TREATMENT DESIGN ; DESIGN AND EXECUTION OF BIO-GAS PLANTS; ENVIRONMENTAL IMPACT ASSESSMENT STUDIES FOR THERMAL PLANTS, PORT TRUST AREAS, COAL MINING ACTIVITIES, AND NUCLEAR POWER REFINERY ENERGY RECOVERY FROM HIGH STRENGTH SOLUBLE ORGANIC WASTES.

LANGUAGES : TELUGU, TAMIL, HINDI, ENGLISH.

VISITED : GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 110, TECH. REPORTS - 55, ARTICLES - 5, EIA REPORTS - 26.

AWARDS & DISTINCTIONS : NATIONAL FIRST PRIZE AWARD, INDIAN WATER WORKS ASSOCIATION, 1981; NATIONAL BEST PRIZE (3rd) AWARD, INDIAN WATER WORKS ASSOCIATION, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 3, APPLIED RESEARCH - 3, DESIGN - 11, PILOT PLANT - 2, CONSULTANCY - 11, MAINTENANCE - 2, TEACHING - 2, CONSTRUCTION - 3.

6550

DR ANAND S BAL; (B. JANUARY 8, 1946),

SCIENTIST F, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - NAGPUR '67; M.TECH. PLANT DESIGN - NAGPUR '69; PH.D. CHEMICAL ENGINEERING (PLANT DESIGN) - NAGPUR '77.

SPECIALIZATIONS : PLANT DESIGN; ENVIRONMENTAL ENGINEERING - MODERN WATER TREATMENT TECHNIQUES; LOW COST WASTE TREATMENT; PHARMACEUTICAL ENGINEERING.

EXPERIENCE : LECTURER, PHARMACY DEPARTMENT, NAGPUR UNIVERSITY, 1969-70; SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII N.E.E.R.I., 1970-89; (ALSO TRAINING IN THE DEVELOPMENT OF CORD MEMBRANES FOR THE USE OF REVERSE OSMOSIS PROCESS, UNDER DAAD PROGRAMME, W. GERMANY, 1977-78); SCIENTIST F, N.E.E.R.I. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : R & D IN WATER TREATMENT AND WASTE WATER TREATMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 40, TECH. REPORTS - 9, PROCESSES DEVE. - 10, PATENTS FILED - 3.

AWARDS & DISTINCTIONS : BEST INVENTION AWARD, ALL INDIA INDUSTRIAL EXHIBITION, 1986, 1988; CASH PRIZE FOR BEST INVENTION, NRDC, 1988.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 8, DESIGN - 5, TECH. DEV. - 5, PILOT PLANT AND R & D MGMT. - 3, TEACHING - 3, TOTAL - 22.

6551

SHRI A D BHIDE; (B. JANUARY 30, 1941),

SCIENTIST F, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. CIVIL - NAGPUR '61; M.E. PUBLIC HEALTH ENGINEERING - ROORKEE '64.

SPECIALIZATIONS : PUBLIC HEALTH AND ENVIRONMENTAL ENGINEERING; SOLID WASTE MANAGEMENT.

EXPERIENCE : TEACHER TRAINEE AND LECTURER, UNIVERSITY OF ROORKEE, 1961-69; SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.E.E.R.I., 1969-90; (ALSO SPECIALISED TRAINING IN SOLID WASTES MANAGEMENT, W. GERMANY, 1973-74); SCIENTIST F, N.E.E.R.I. SINCE MARCH, 1990.

PRESENT ACTIVITIES : R & D IN SOLID WASTES MANAGEMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, U.K., THE NETHERLANDS, U S A, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 75, TECH. REPORTS - 60, SCIENTIFIC BOOKS - 2, PATENTS TAKEN - 1, ARTICLES - 5, PROCESS DEVELOPED - 3.

AWARDS & DISTINCTIONS : BEST PAPER MERIT AWARD, INSTITUTION OF ENGINEERS (INDIA), 1969; FELLOW, MAHARASHTRA ACADEMY OF SCIENCES, 1988.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 29, DESIGN - 29, TECHNICAL DEV. - 29, CONSULTANCY - 29, R & D MANAGEMENT - 9, CONSTRUCTION - 5, MAINTENANCE - 5.

6552

DR B K HANDA; (B. NOVEMBER 11, 1939),

SCIENTIST F, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E.(HONS) CIVIL ENGG - JABALPUR '67; M.E.(PHE) PUBLIC HEALTH ENGG - ROORKEE '69; PH.D. ENVIRONMENTAL ENGINEERING - NAGPUR '78.

SPECIALIZATIONS : ENVIRONMENTAL BIOTECHNOLOGY; WASTE RECYCLING AND TREATMENT; ENVIRONMENTAL IMPACT ASSESSMENT; RURAL WATER SUPPLY AND SANITATION.

EXPERIENCE : SCIENTIST C, N.E.E.R.I., NAGPUR, 1969-79; SR. ENV. ENGR, DHARAMS MORARJI CHEMICALS, BOMBAY, 1979-81; ASSOCIATE PROFESSOR, I.I.T., POWAI, BOMBAY, 1981-87; SCIENTIST FELLOW, N.E.E.R.I., 1987-89; SCIENTIST F, N.E.E.R.I. SINCE NOVEMBER, 1989.

PRESENT ACTIVITIES : APPLIED RESEARCH, DESIGN, PILOT PLANT, CONSULTANCY, TEACHING.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

VISITED : U.K., GHANA.

PUBLICATIONS & PATENTS : RES. PAPERS - 37, TECH. REPORTS - 56, SCIENTIFIC BOOKS - 2, POLULAR SCIENCE BOOKS - 2, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILIZATION - 5.

AWARDS & DISTINCTIONS : B P PODDAR MEMORIAL AWARD, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 22, DESIGN - 15, TECHNICAL DEV. - 15, PLANNING - 15, PILOT PLANT - 10, CONSULTANCY - 15, MAINTENANCE - 10, EXTENSION - 10, TEACHING - 7, TECHNOLOGY TRANSFER - 10.

6553

DR S P SHARMA; (B. JULY 7, 1936),

SCIENTIST F, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

6554

DR TAPAN CHAKRABARTI; (B. SEPTEMBER 12, 1949),

SCIENTIST EII, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '68; M.SC. BIOCHEMISTRY - NAGPUR '70; PH.D. BIOCHEMISTRY - NAGPUR '74; A.M.I.I.C.H.E. (INDIA) '83; LL.B. '85.

SPECIALIZATIONS : ENVIRONMENTAL BIOTECHNOLOGY.

EXPERIENCE : J.R.F. AND LECTURER, NAGPUR UNIVERSITY, 1970-73; S.R.F., SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1973-90; SCIENTIST EII, N.E.E.R.I. SINCE OCTOBER, 1990; (ALSO POST-DOCTORAL RESEARCH AND LATER ON PROFESSOR IN ENVIRONMENTAL MICROBIOLOGY, DEPARTMENT OF CIVIL ENGINEERING, UNIVERSITY OF TORONTO, CANADA, 1980-81).

PRESENT ACTIVITIES : R & D AND RESEARCH MANAGEMENT IN BIOLOGICAL TREATMENT OF INDUSTRIAL WASTE WATER WITH SPECIAL REFERENCE TO TOXIC AND/OR RECALCITRANT WASTEWATER BIOGAS FROM ORGANIC WASTE AND STUDY ON BIOGEOCHEMICAL CYCLE IN RIVER GANGA.

LANGUAGES : BENGALI, HINDI, ENGLISH.

VISITED : CANADA, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 14.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, APP. RES. - 16, TEACHING - 3, PILOT PLANT - 3, DESIGN - 6, OPERATION - 2.

6555

SHRI S KRISHNARAO GADKARI; (B. APRIL 18, 1941),

SCIENTIST EII, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. (HONS.) CIVIL - JABALPUR '63; M.E. PUBLIC HEALTH ENGINEERING - M.S. UNIVERSITY OF BARODA '66; PH.D. ENVIRONMENTAL ENGINEERING - NAGPUR '90.

SPECIALIZATIONS : WATER TREATMENT; SEWAGE TREATMENT; INDUSTRIAL WASTE TREATMENT; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : SENIOR RESEARCH FELLOW, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.E.E.R.I., 1966-86; (ALSO TRAINING IN PUBLIC HEALTH ENGINEERING, UNDER W.H.O. FELLOWSHIP, U.K. AND THE NETHERLANDS, 1975); SCIENTIST EII, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : CONSULTANCY.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : U.K., THE NETHERLANDS.

PUBLICATIONS & PATENTS : RES. PAPERS - 55, TECH. REPORTS - 70.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 10, PILOT PLANT - 2, CONSULTANCY - 12.

6556

DR A GUPTA; (B. JULY 23, 1948),

SCIENTIST EII, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - CALCUTTA '69; M.SC. - M S UNIV. '72; M.TECH. - I.I.T., BOMBAY '81; PH.D. - GUJARAT '78.

SPECIALIZATIONS : ENVIRONMENTAL SYSTEMS DESIGN, MODELLING, OPTIMIZATION AND SIMULATION; ENVIRONMENTAL IMPACT ASSESSMENT; PROJECT PLANNING AND MANAGEMENT.

EXPERIENCE : S.R.A., I.I.T., BOMBAY, 1981; MANAGER, PROJECTS & COMPUTER, 1981-89; SCIENTIST EI, N.E.E.R.I., 1989-91; SCIENTIST EII, N.E.E.R.I. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : ENVIRONMENTAL SYSTEM DESIGN, MODELLING, OPTIMIZATION & SIMULATION, ENVIRONMENTAL IMPACT ASSESSMENT, PROJECT PLANNING AND MANAGEMENT.

LANGUAGES : BENGALI, HINDI, GUJARATI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. & CONSULTANCY - 20.

6557

DR S N KAUL; (B. NOVEMBER 5, 1944),

SCIENTIST EII, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - I.I.T., KANPUR '67; M.TECH. CHEMICAL ENGINEERING - I.I.T., KANPUR '69; PH.D. CHEMICAL AND ENVIRONMENTAL ENGINEERING - UNIVERSITY OF NEW CASTLE-UPON-TYNE, U.K. '79.

SPECIALIZATIONS : AERATION, MIXING AND WASTE WATER TREATMENT; RESOURCE RECOVERY, PARTICULARLY BIOGAS FROM INDUSTRIAL WASTE WATERS; ENVIRONMENT ASSESSMENT.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.E.E.R.I., 1970-86; SCIENTIST EII, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : KASHMIRI, HINDI, ENGLISH.

VISITED : U.K., CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 120, TECH. REPORTS - 65, PATENT FILED - 21.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECH. DEV., PILOT PLANT, CONSULTANCY, R & D MGMT., OPERATION, TESTING AND TEACHING (TOTAL : 20 YEARS).

6558

DR R K PANDIT; (B. JULY 1, 1937),

SCIENTIST EII, NEERI ZONAL LABORATORY, BOMBAY (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - BOMBAY '57; M.SC. ORGANIC CHEMISTRY - BOMBAY '59; PH.D. CHEMISTRY - BOMBAY '87.

SPECIALIZATIONS : SEWAGE, INDUSTRIAL WASTE, WATER AND SOLID WASTES TREATMENT.

EXPERIENCE : DEMONSTRATOR, RAMNARAIN RUIA COLLEGE, BOMBAY, 1959-60; J.S.A., S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.E.E.R.I., 1960-81; (ALSO TRAINING IN ADVANCED TECHNIQUES APPLIED IN DOMESTIC AND INDUSTRIAL WASTES (BOTH SOLID AND LIQUID) TREATMENT, UNDER W.H.O. FELLOWSHIP, U.K., GERMANY AND SWITZERLAND, 1979); SCIENTIST EII, N.E.E.R.I. SINCE APRIL, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : U.K., GERMANY, SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 27, APP. RES. - 27, CONSULTANCY - 16, TEACHING - 1, ADMN. - 2.

6559

SHRI R PARAMASIVAM; (B. JANUARY 3, 1939),

SCIENTIST EII, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. CIVIL - MADRAS '62; M.SC. (ENGG.) PUBLIC HEALTH ENGINEERING - MADRAS '63; PH.D. CIVIL ENGINEERING - NAGPUR '89.

SPECIALIZATIONS : ENVIRONMENTAL ENGINEERING; ENVIRONMENTAL IMPACT ASSESSMENT; WATER SUPPLY AND TREATMENT.

EXPERIENCE : JUNIOR ENGINEER, P.W.D., MADRAS, 1963-64; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.E.E.R.I., 1964-86; (ALSO TRAINING IN COMMUNITY WATER SUPPLY, UNDER W.H.O. FELLOWSHIP, U.K. AND THE NETHERLANDS, 1973; TRAINING IN HIGHER HYDROLOGY, U.S.S.R., 1975; AND SHORT-TERM CONSULTANT TO W.H.O. INTERNATIONAL REFERENCE CENTRE FOR COMMUNITY WATER SUPPLY, THE NETHERLANDS, 1978); SCIENTIST EII, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL ENGINEERING WITH SPECIAL REFERENCE TO WATER SUPPLY AND TREATMENT.

LANGUAGES : TAMIL, HINDI, ENGLISH.

VISITED : U.K., THE NETHERLANDS, U.S.S.R., SINGAPORE, THAILAND, W. AFRICA, KENYA, JAMAICA.

PUBLICATIONS & PATENTS : RES. PAPERS - 50, TECH. REPORTS - 20, ARTICLES - 5, PATENT - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECH. DEV., PILOT PLANT, CONSULTANCY, TEACHING AND R & D MGMT. (TOTAL : 27 YEARS).

6560

DR M VITTAL RAO; (B. MARCH 4, 1937),

SCIENTIST EII, NEERI ZONAL LABORATORY, HYDERABAD
(NATIONAL ENVIRONMENTAL ENGINEERING RE-
SEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - ANDHRA '57; M.SC. BOTANY -
B.H.U. '59; PH.D. BOTANY - SRI VENKATESWARA '65.

SPECIALIZATIONS : ALGAL ECOLOGY; FUNGAL SPORE
GERMINATION AND SOIL FERTILITY; ENVIRONMENTAL SCI-
ENCE.

EXPERIENCE : LECTURER, GOVERNMENT DEGREE COL-
LEGE, 1959-62; RESEARCH ASSOCIATE, SYRACUSE UNIVER-
SITY, U S A, 1965-66; RESEARCH ASSOCIATE, UNIVERSITY OF
ILLINOIS, U S A, 1966-68; POOL OFFICER (C.S.I.R.), 1968-70;
SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.E.E.R.I., 1971-
86; SCIENTIST EII, N.E.E.R.I. SINCE JULY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH.
REPORTS - 4, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 9, APP. RES. - 20, TEACHING - 3.

6561

SHRI A K SETH; (B. JANUARY 2, 1938),

SCIENTIST EII, NEERI ZONAL LABORATORY, JAIPUR (NA-
TIONAL ENVIRONMENTAL ENGINEERING RESEARCH
INSTITUTE, NAGPUR).

QUALIFICATIONS : B.E. (HONS.) CIVIL - JABALPUR '61;
M.E. PUBLIC HEALTH ENGINEERING - ROORKEE '64.

SPECIALIZATIONS : WATER TREATMENT; SEWAGE AND
INDUSTRIAL WASTE WATER TREATMENT; ENVIRON-
MENTAL POLLUTION CONTROL; ENVIRONMENTAL IMPACT
ASSESSMENT.

EXPERIENCE : ASSISTANT ENGINEER, STATE PUBLIC
HEALTH ENGINEERING DEPARTMENT, M.P., 1962-63; ENGI-
NEER, H.E.C. LTD., RANCHI, 1963-64; SCIENTIST B, SCIENTIST
C AND SCIENTIST EI, N.E.E.R.I., 1964-87; (ALSO ADVANCED
TRAINING IN WASTE TREATMENT TECHNOLOGY, W. GER-
MANY, 1971-73; AND CONSULTANT AND DESIGN EXPERT
WITH MINISTRY OF INDUSTRY, GOVERNMENT OF IRAQ,
IRAQ, 1974-79); SCIENTIST EII, N.E.E.R.I. SINCE FEBRUARY,
1987.

PRESENT ACTIVITIES : RESEARCH; CONSULTANCY.

LANGUAGES : HINDI, ENGLISH, GERMAN, ARABIC.

VISITED : W. GERMANY, IRAQ.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, ARTI-
CLES - 2, RADIO TALKS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
20, DESIGN - 7, CONSULTANCY - 8, CONSTRUCTION - 11,
ADMN. - 11.

6562

**SHRI ASHOK VISHNUPANT SHEKDAR; (B. AU-
GUST 8, 1948),**

SCIENTIST EII, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '67; B.E. MECHANICAL
- NAGPUR '71; M.TECH. PRODUCTION ENGINEERING -
NAGPUR '80; PH.D. FACULTY OF ENGINEERING - I.I.S.C.,
BANGALORE '88.

SPECIALIZATIONS : SYSTEM ANALYSIS; OPERATIONAL
RESEARCH; INDUSTRIAL ENGINEERING AND MANAGE-
MENT; SOLID WASTE MANAGEMENT; MECHANICAL ENGI-
NEERING.

EXPERIENCE : TRAINEE ENGINEER, K.H.S. LTD., NAGPUR,
1971-72; JUNIOR ENGINEER, IRRIGATION AND POWER DE-
PARTMENT, MAHARASHTRA, 1972-74; JUNIOR ENGINEER,
M/S INTERNATIONAL TRACTOR OF INDIA LTD., NAGPUR,
1974-75; SCIENTIST B, SCIENTIST C AND SCIENTIST EI,
N.E.E.R.I., 1975-89; SCIENTIST EII, N.E.E.R.I. SINCE APRIL, 1989.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL ENGI-
NEERING, SOLID WASTE MANAGEMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH
REPORTS - 16.

AWARDS & DISTINCTIONS : NEERI SEMINAR GROUP
AWARD FOR BEST SEMINAR OF THE YEAR, 1976-77.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
15, TECHNICAL DEV. - 10, PILOT PLANT - 5, CONSULTANCY -
15, R & D MANAGEMENT - 10, PRODUCTION - 3, IND. MANAGE-
MENT - 2, COMPUTER PROCESSING - 15.

6563

DR R SWAMINATHAN; (B. JULY 19, 1943).

SCIENTIST EII, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. CIVIL - MADRAS '66; M.E. (CIVIL)
PUBLIC HEALTH ENGINEERING - M.S. UNIVERSITY OF
BARODA '69.

SPECIALIZATIONS : AIR AND WATER POLLUTION;
WASTE WATER TREATMENT; INDUSTRIAL EMISSIONS; EN-
VIRONMENTAL IMPACT ANALYSIS; HAZARDOUS WASTE
MANAGEMENT.

EXPERIENCE : JUNIOR ENGINEER, T.W.A.D. BOARD, MA-
DRAS, 1970-75; SCIENTIST B, SCIENTIST C AND SCIENTIST EI,
N.E.E.R.I., 1975-89; (ALSO ON DEPUTATION TO POLLUTION
CONTROL RESEARCH INSTITUTE, B.H.E.L., HARDWAR, 1985-
86); SCIENTIST EII, N.E.E.R.I. SINCE APRIL, 1989.

PRESENT ACTIVITIES : R & D IN AIR POLLUTION CON-
TROL AND HAZARDOUS WASTES MANAGEMENT.

LANGUAGES : TAMIL, HINDI, ENGLISH, GERMAN.

VISITED : MALAYSIA, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 25, ARTI-
CLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
12, DESIGN - 5, PILOT PLANT - 2, CONSULTANCY - 10, R & D
MGMT. - 2.

6564

SHRI ASHOK WASUDEORAO DESHPANDE; (B. FEBRUARY 9, 1940),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - NAGPUR '60; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '75; M.E. ENVIRONMENTAL ENGINEERING - ROORKEE '78; PH.D. ENVIRONMENTAL ENGINEERING - NAGPUR '88.

SPECIALIZATIONS : ENVIRONMENTAL ENGINEERING; PREVENTIVE MAINTENANCE OF WATER DISTRIBUTION SYSTEMS AND QUANTITATIVE RISK ASSESSMENT; RELIABILITY ENGINEERING.

EXPERIENCE : OVERSEER, B & C DEPARTMENT, MAHARASHTRA, 1960-62; OVERSEER, J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1962-85; (ALSO TRAINING IN PREVENTIVE MAINTENANCE OF WATER DISTRIBUTION SYSTEMS, U.K., 1973); SCIENTIST EI, N.E.E.R.I. SINCE JULY, 1985.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL ENGINEERING WITH SPECIAL REFERENCE TO RISK ASSESSMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 49, TECH. REPORTS - 15, SCIENTIFIC BOOKS - 1.

AWARDS & DISTINCTIONS : BEST PAPER AWARD, I.W.W.A., 1981; BEST PAPER AWARD, INSTITUTION OF ENGINEERS (INDIA), 1983.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 25, TECHNOLOGY TRANSFER - 16, CONSTRUCTION - 2, DESIGN - 3.

6565

SHRI ARINDAM GHOSH; (B. JANUARY 15, 1951),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.CHEM.E. CHEMICAL - JADAVPUR '74; M.TECH. CHEMICAL ENGINEERING - I.I.T., KHARAGPUR '76.

SPECIALIZATIONS : WASTE WATER TREATMENT; HIGH TEMPERATURE PROCESSES; HAZARDOUS WASTE TREATMENT; SLUDGE TREATMENT AND HANDLING; ENVIRONMENTAL IMPACT ANALYSIS; MODELLING OF ENVIRONMENTAL PROCESSES.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1978-89; SCIENTIST EI, N.E.E.R.I. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : R & D IN WASTE WATER TREATMENT; HAZARDOUS WASTE TREATMENT; SLUDGE TREATMENT AND HANDLING.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 17, APP. RES. - 17, DESIGN - 17, PILOT PLANT - 17.

6566

DR M Z HASAN; (B. JUNE 10, 1942),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - LUCKNOW '61; M.SC. MATHEMATICS - LUCKNOW '63; M.SC. PHYSICAL CHEMISTRY - LUCKNOW '65; PH.D. CHEMISTRY - KANPUR '81.

SPECIALIZATIONS : ANALYTICAL QUALITY CONTROL; MONITORING OF TRACE POLLUTANTS; TOXICITY OF HEAVY METALS; ENVIRONMENTAL IMPACT ASSESSMENT; WATER QUALITY MANAGEMENT.

EXPERIENCE : LECTURER, SHIA DEGREE COLLEGE, LUCKNOW, 1965-66; S.L.A., C.D.R.I., LUCKNOW, 1966-70; J.S.A. AND S.S.A., I.T.R.C., LUCKNOW, 1970-77; SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1982-88; SCIENTIST EI, N.E.E.R.I. SINCE MARCH, 1988.

PRESENT ACTIVITIES : R & D IN ANALYTICAL QUALITY CONTROL AND MONITORING OF TRACE POLLUTANTS IN AQUATIC ENVIRONMENT; TOXICITY STUDIES ON HEAVY METALS; ENVIRONMENTAL IMPACT ANALYSIS - WATER TECHNOLOGY MISSION AND GANGA ACTION PLAN.

LANGUAGES : URDU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 120, TECH. REPORTS - 25, ARTICLES - 10.

AWARDS & DISTINCTIONS : WATER CHEMISTS FORUM AWARD, M/S GLAXO CHEMICALS, BOMBAY, 1980; BEST PAPER AWARD, JIWWA, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 25, TESTING - 14, QUALITY CONTROL - 17, TEACHING - 1, ADMN. - 9.

6567

DR S R JOSHI; (B. DECEMBER 3, 1940),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - MARATHWADA '60; M.SC. MICROBIOLOGY - M.S. UNIVERSITY OF BARODA '71; PH.D. MICROBIOLOGY - NAGPUR '80.

SPECIALIZATIONS : MICROBIOLOGY; ENVIRONMENTAL MICROBIOLOGY; BIODEGRADATION; RECYCLING OF CELLULOSIC WASTE.

EXPERIENCE : TEACHER, PANSARE HIGH SCHOOL, DHARMABAD, MAHARASHTRA, 1960-61; LABORATORY TECHNICIAN, PUBLIC HEALTH INSTITUTE, SHRADHANAND PETH, NAGPUR, 1961-64; S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1964-87; SCIENTIST EI, N.E.E.R.I. SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL MICROBIOLOGY AND BIOTECHNOLOGY.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 23, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21, TEACHING - 9.

6568

DR VIJAY JOSHI; (B. MARCH 8, 1957),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - ALLAHABAD '76; M.SC. PHYSICS - ALLAHABAD '79; M.TECH. ENVIRONMENTAL SCIENCE & ENGINEERING - I.I.T., BOMBAY; PH.D. SYSTEM ANALYSIS IN WATER QUALITY MANAGEMENT - I.I.T., BOMBAY '89.

SPECIALIZATIONS : RIVER WATER QUALITY MANAGEMENT; WATER QUALITY MODELLING; ENVIRONMENTAL SYSTEMS OPTIMISATION; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : LECTURER, K.K. JAIN DEGREE COLLEGE, KHATAULI, 1980-81; S.R.A., I.I.T., BOMBAY, 1981-84; SCIENTIST C, N.E.E.R.I., 1984-90; SCIENTIST EI, N.E.E.R.I. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : MODELLING AND MANAGEMENT OF ENVIRONMENT SYSTEMS.

LANGUAGES : HINDI, ENGLISH.

VISITED : FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, TEACHING - 1.

6569

DR N JOTIKUMAR; (B. JANUARY 15, 1956),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR

6570

DR C K KALE; (B. JANUARY 5, 1938),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. AGRICULTURE - VIKRAM '58; M.SC. (AG) AGRICULTURAL BOTANY - VIKRAM '62; PH.D. AGRICULTURE - PUNJABRAO KRISHI VIDYAPEETH '76.

SPECIALIZATIONS : PLANT PHYSIOLOGY; SOIL SCIENCE; WASTE WATER RECYCLING THROUGH LAND; GREEN BELT DEVELOPMENT.

EXPERIENCE : RESEARCH ASSISTANT, AGRICULTURE DEPARTMENT, M.P., 1963; J.S.A., C.P.H.E.R.I., NAGPUR, 1963-71; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1971-86; SCIENTIST EI, N.E.E.R.I. SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : EVALUATION/APPLICATION ON LAND ENVIRONMENT COMPONENT.

LANGUAGES : MARATHI, HINDI, ENGLISH, RUSSIAN, FRENCH.

VISITED : DENMARK, PORTUGAL.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 14, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 5, DESIGN - 5, CONSULTANCY - 7, R & D MANAGEMENT - 3, SURVEY OF NATURAL RESOURCES - 3, PLANNING - 2.

6571

SHRI S K KESARWANI; (B. JULY 17, 1936),

DOCUMENTATION OFFICER (EI), NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : DIPLOMA LIBRARY SCIENCE - NAGPUR '62; M.A. - NAGPUR '65; ASSOCIATESHIP IN DOCUMENTATION & REPROGRAPHY - INSDOC, NEW DELHI '69.

SPECIALIZATIONS : DOCUMENTATION AND INFORMATION SCIENCE; ENVIRONMENTAL INFORMATION.

EXPERIENCE : LIBRARIAN, G.S. COLLEGE OF COMMERCE & ECONOMICS, JABALPUR, 1962-63; LIBRARIAN, HISLOP COLLEGE, NAGPUR, 1963; JUNIOR LIBRARIAN, J.T.A., S.T.A., DOCUMENTATION OFFICER (B) AND DOCUMENTATION OFFICER (C), N.E.E.R.I., 1963-85; SCIENTIST EI, N.E.E.R.I. SINCE OCTOBER, 1985.

PRESENT ACTIVITIES : COLLECTION AND DISSEMINATION OF INFORMATION IN THE FIELD OF ENVIRONMENTAL ENGINEERING.

LANGUAGES : MARATHI, HINDI, ENGLISH, GERMAN.

VISITED : THE NETHERLANDS, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, SCIENTIFIC BOOKS - 1, ARTICLES - 15, POPULAR ARTICLES - 6, BOOK REVIEWS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TEACHING - 7, DOCUMENTATION - 27.

6572

DR V K KONDAWAR; (B. FEBRUARY 5, 1947),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : M.SC. PHYSICS - NAGPUR '70; PH.D. PHYSICS - NAGPUR '76.

SPECIALIZATIONS : INSTRUMENTAL CHEMICAL ANALYSIS; NOISE POLLUTION; DIGITAL IMAGE PROCESSING; SOLID STATE PHYSICS.

EXPERIENCE : S.S.A., N.P.L., NEW DELHI, 1976-80; TECHNICAL OFFICER (B) AND TECHNICAL OFFICER (C), N.E.E.R.I., 1981-90; SCIENTIST EI, N.E.E.R.I. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MARATHI, HINDI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 4, ARTICLES - 2, PATENTS - 2, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 9, MAINTENANCE - 4, TEACHING - 1.

6573

SHRI VIJAY S KULKARNI; (B. OCTOBER 4, 1958),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E.(CIVIL) ENVIRONMENTAL ENGINEERING - SHIVAJI '81; M.TECH. ENVIRONMENTAL ENGINEERING - I.I.T., BOMBAY '83.

SPECIALIZATIONS : ENVIRONMENTAL SYSTEMS DESIGN, MODELLING AND OPTIMIZATION; ENVIRONMENTAL IMPACT ASSESSMENT; ENVIRONMENTAL POLICY ANALYSIS.

EXPERIENCE : S.R.A., I.I.T., BOMBAY, 1983-86; SR. ENGINEER, KIRLOSKAR CONSULTANTS, PUNE, 1986-87; SR. ENGINEER, PARAMOUNT POLLUTION CONTROL LTD, VADODARA, 1987; SCIENTIST FELLOW, N.E.E.R.I., 1987-90; SCIENTIST EI, N.E.E.R.I. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH, DESIGN AND CONSULTANCY.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 50, ARTICLES - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 4, APPLIED RESEARCH - 4, DESIGN - 8, TECHNICAL DEV. - 8, CONSULTANCY - 8, EDITING - 1, COMPUTER PROCESSING - 8, R & D MANAGEMENT - 1, ADMINISTRATION - 1.

6574

DR P KUMARAN; (B. SEPTEMBER 30, 1937),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - MADRAS '58; M.SC. MICROBIOLOGY - M.S. UNIVERSITY OF BARODA '72; PH.D. MICROBIOLOGY - NAGPUR '81.

SPECIALIZATIONS : SANITARY CHEMISTRY AND BIOLOGY; ENVIRONMENTAL ENGINEERING; MICROBIOLOGY; WATER AND WASTE WATER TREATMENT; ENVIRONMENTAL POLLUTION MANAGEMENT AND CONTROL; BIOTECHNOLOGY.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1959-86; SCIENTIST EI N.E.E.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : R & D IN SANITARY SCIENCE; ENVIRONMENTAL POLLUTION CONTROL; ENVIRONMENTAL BIOTECHNOLOGY.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 46, TECH. REPORTS - 16, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 22, DESIGN - 5, TECH. DEV. - 5, PILOT PLANT - 7, R & D MGMT. - 2, OPERATION - 4, TESTING - 23, TEACHING - 1.

6575

DR VASANT ANANT MHAISALKAR; (B. FEBRUARY 12, 1954),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. CIVIL - NAGPUR '74; M.TECH. PUBLIC HEALTH ENGINEERING - NAGPUR '76; PH.D. ENVIRONMENTAL ENGINEERING - NAGPUR '88.

SPECIALIZATIONS : WATER SUPPLY AND TREATMENT; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : S.R.F., SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1977-88; SCIENTIST EI, N.E.E.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL ENGINEERING WITH SPECIAL REFERENCE TO WATER SUPPLY AND TREATMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : KENYA, SUDAN, U.K., U.S.A.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 15, PATENT FILED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECH. DEV., PILOT PLANT, CONSULTANCY (TOTAL : 13 YRS).

6576

DR MADANKUMAR V NANOTI; (B. OCTOBER 11, 1946),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '67; M.SC. CHEMISTRY - NAGPUR '69; PH.D. CHEMISTRY - NAGPUR '83.

SPECIALIZATIONS : ORGANIC CHEMISTRY; WATER AND WASTE WATER TREATMENT; MEMBRANE TECHNOLOGY.

EXPERIENCE : S.L.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1969-87; SCIENTIST EI, N.E.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH IN MEMBRANE TECHNOLOGY AND WATER CHEMISTRY; ASSOCIATED WITH TECHNOLOGY MISSION ON DRINKING WATER.

LANGUAGES : MARATHI, HINDI, GUJARATI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 13, PATENTS TAKEN - 2, ARTICLES - 11, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 4, TECH. DEV. - 2, R & D MGMT. - 5, TESTING - 2, Q.L.T.Y. CONTROL - 2, TECHNOLOGY TRANSFER - 2.

6577

SHRI P NEMA; (B. OCTOBER 13, 1948),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E.(CIVIL) CIVIL ENGG. - JABALPUR '71; M.E. PUBLIC HEALTH ENGG. - JABALPUR '75; P.G. DIPLOMA IN SANITARY ENGINEERING - IHE, DELFT, NETHERLANDS '80.

SPECIALIZATIONS : WATER AND WASTE WATER MANAGEMENT; OPTIMAL DESIGN OF ENVIRONMENTAL SYSTEM; REUSE AND RECYCLING OF WASTE WATER; ENVIRONMENTAL MONITORING PROCESS PACKAGE DESIGN.

EXPERIENCE : ASSTT. ENGG., PUBLIC HEALTH ENGG. DEPT., JABALPUR, 1972-75; SCIENTIST B AND SCIENTIST C, N.E.E.R.I., ZONAL LAB., AHMEDABAD, 1975-86; SCIENTIST EI, N.E.E.R.I., ZONAL LAB., AHMEDABAD SINCE JULY, 1986.

PRESENT ACTIVITIES : ENVIRONMENTAL IMPACT ASSESMENT OF MAJOR DEVELOPMENTAL PROJECTS; PROCESS DESIGN OF COMMON EFFLUENT TREATMENT PLANT FOR MAJOR INDUSTRIAL ESTATES IN GUJARAT.

LANGUAGES : HINDI, ENGLISH, GUJARATI.

VISITED : THE NETHERLANDS, FRANCE, GERMANY, BELGIUM, LUXEMBOURG, SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 19, TECH. REPORTS - 20.

AWARDS & DISTINCTIONS : CERTIFICATE OF APPRECIATION, NEERI, 1989-90.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 16, DESIGN - 15, PILOT PLANT - 5, CONSULTANCY - 10, R & D MANAGEMENT - 7, CONSTRUCTION - 2, TESTING - 5, TEACHING - 5, PLANNING - 7, TECHNOLOGY TRANSFER - 4, ADMINISTRATION - 7.

6578

DR S P PANDE; (B. JUNE 1, 1948),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '67; M.SC. CHEMISTRY - NAGPUR '69; PH.D. INORGANIC CHEMISTRY - NAGPUR '73.

SPECIALIZATIONS : DETERMINATION OF TRACE POLLUTANTS IN WATER; ENVIRONMENTAL CHEMISTRY; WATER QUALITY ASSESSMENT AND TREATMENT; INORGANIC ANALYTICAL CHEMISTRY; FIELD KITS FOR WATER TESTING; ANALYTICAL QUALITY CONTROL.

EXPERIENCE : S.R.F., SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1973-87; SCIENTIST EI, N.E.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : CANADA, U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 60, TECH. REPORTS - 12, ARTICLES - 10.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF CHEMISTS (INDIA); CASH AWARD FOR A RESEARCH PAPER, IWWA, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 18, R & D MGMT. - 18, TESTING - 18.

6579

DR V I PANDIT; (B. MARCH 24, 1946),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '66; M.SC. BIOCHEMISTRY - NAGPUR '68; PH.D. BIOCHEMISTRY - NAGPUR '74.

SPECIALIZATIONS : EVALUATION OF AIR POLLUTION AND IMPROVEMENT OF ANALYTICAL TECHNIQUES; BIOCHEMICAL ANALYSIS.

EXPERIENCE : ASSISTANT CHEMIST, FOOD ADULTERATION LABORATORY, NAGPUR CORPORATION, NAGPUR, 1968; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B, AND SCIENTIST C, N.E.E.R.I., 1968-88; (ALSO TRAINING IN AIR POLLUTION AND INDUSTRIAL HYGIENE, UNDER DAAD PROGRAMME, W. GERMANY, 1974-76); SCIENTIST EI, N.E.E.R.I. SINCE MARCH, 1988.

PRESENT ACTIVITIES : RESEARCH IN AIR POLLUTION EVALUATION.

LANGUAGES : MARATHI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 31, TECH. REPORTS - 30.

AWARDS & DISTINCTIONS : CHARTERED CHEMIST, ROYAL INSTITUTE OF CHEMISTRY (LONDON) U.K., 1977.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, APP. RES. - 17, TEACHING - 3, PLANNING - 9.

6580

DR P V R C PANICKER; (B. NOVEMBER 28, 1937),
SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - KERALA '57; M.SC. ZOOLOGY - NAGPUR '67; PH.D. PARASITOLOGY - NAGPUR '80.

SPECIALIZATIONS : HELMINTHOLOGY; PARASITOLOGY; EPIDEMIOLOGY; SANITARY BACTERIOLOGY; HUMAN ECOLOGY; HEALTH EDUCATION; HEALTH ASPECTS OF WATER SUPPLY AND SANITATION.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1959-79; (ALSO ADVANCED TRAINING IN PARASITOLOGY, U.K., 1977); SCIENTIST EI, N.E.E.R.I. SINCE AUGUST, 1985.

PRESENT ACTIVITIES : RESEARCH IN EPIDEMIOLOGY, PARASITOLOGY, HEALTH EDUCATION, RURAL SANITATION AND HUMAN ECOLOGY; GUINEA WORM CONTROL IN NATIONAL WATER TECHNOLOGY MISSION; EIA STUDIES.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 29, ARTICLES - 5, TECH. REPORTS - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 31.

6581

SHRI D RAGURAMAN; (B. APRIL 24, 1938),

SCIENTIST EI, NEERI ZONAL LABORATORY, MADRAS (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.E. CIVIL - MADRAS '60; M.SC. PUBLIC HEALTH ENGINEERING - MADRAS '61.

SPECIALIZATIONS : WATER AND WASTE WATER TREATMENT; AIR POLLUTION; INDUSTRIAL CONSULTANCY.

EXPERIENCE : ASSISTANT LECTURER, COLLEGE OF ENGINEERING, GUINDY, MADRAS, 1961-64; SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1964-81; (ALSO ADVANCED TRAINING IN WATER AND WASTE WATER TECHNOLOGY, U.K., 1970-71); SCIENTIST EI, N.E.E.R.I. SINCE JANUARY, 1981.

PRESENT ACTIVITIES : R & D; INDUSTRIAL CONSULTANCY; MANAGEMENT.

LANGUAGES : TAMIL, HINDI, SANSKRIT, ENGLISH.

VISITED : U.K., FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 65.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, DESIGN - 4, TECH. DEV. - 4, CONSULTANCY - 4, R & D MGMT.

- 2, CONSTRUCTION - 2, OPERATION - 1, TEACHING - 2, PLANNING - 1, EXTENSION - 1.

6582

DR C V CHALAPATI RAO; (B. SEPTEMBER 6, 1951),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. CIVIL - ANDHRA '72; M.E. PUBLIC HEALTH ENGINEERING - ANDHRA '75; DIPLOMA IN HINDI - ANDHRA '70; DIPLOMA IN RUSSIAN - ANDHRA '71, PH.D ENVIRONMENTAL ENGINEERING - NAGPUR '88.

SPECIALIZATIONS : WATER TREATMENT; SEWAGE AND INDUSTRIAL WASTE TREATMENT; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : JUNIOR ENGINEER, IRRIGATION & POWER DEPARTMENT, A.P., 1975-76; JUNIOR ENGINEER, WATER POLLUTION CONTROL BOARD, A.P., 1976-78; SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1978-88; SCIENTIST EI, N.E.E.R.I. SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : R & D IN WATER TREATMENT AND CONSULTANCY IN INDUSTRIAL WASTE TREATMENT.

LANGUAGES : TELUGU, HINDI, RUSSIAN, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 25.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, TECHNICAL DEV. - 16, DESIGN - 16, CONSULTANCY - 16.

6583

SHRI CHANDRA SEKHAR GOVIND RAO; (B. JULY 5, 1937),

SCIENTIST EI, NEERI ZONAL LABORATORY, COCHIN (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - MADRAS '58; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '71; CERTIFICATE IN GERMAN - MAX MULLER BHAWAN, CALCUTTA '66.

SPECIALIZATIONS : AIR MONITORING AND AIR POLLUTION CONTROL; WATER QUALITY SURVEYS; INDUSTRIAL WASTE WATER ASSESSMENT AND TREATMENT.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1959-86; (ALSO ATTENDED A COURSE IN AIR POLLUTION, UNDER W.H.O. PROGRAMME, U.S.A AND U.K., 1973); SCIENTIST EI, N.E.E.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : RESEARCH AND RESEARCH MANAGEMENT IN ENVIRONMENTAL POLLUTION.

LANGUAGES : KONKANI, MALAYALAM, TAMIL, HINDI, ENGLISH.

VISITED : NEPAL, U.S.A, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 22, ARTICLES - 10, REVIEWS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 25, PILOT PLANT - 2, CONSULTANCY - 12, R & D MGMT. - 9, TESTING - 10, TEACHING - 12, SURVEY OF

NATURAL RESOURCES - 16, PLANNING - 15, ADMN. - 9, EXTENSION - 15.

6584

SHRI R CHANDRASEKARA REDDY; (B. JANUARY 1, 1947),

SCIENTIST EI, NEERI ZONAL LABORATORY, HYDERABAD (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.E. CIVIL - MADRAS '70; M.SC. (ENGG.) PUBLIC HEALTH ENGINEERING - MADRAS '72; SHORT TERM CERTIFICATE COURSE IN FORTRAN PROGRAMMING AND DATA PROCESSING - COLLEGE OF GUINDY, MADRAS.

SPECIALIZATIONS : WATER AND WASTE WATER SYSTEMS. SPECIALIZATIONS: ENVIRONMENTAL MANAGEMENT; MATHEMATICAL MODELLING.

EXPERIENCE : RESEARCH FELLOW, COLLEGE OF ENGINEERING, GUINDY, MADRAS, 1972; ASSOCIATE LECTURER, GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE, TAMIL NADU, 1972-74; ASSISTANT ENGINEER, TAMIL NADU WATER SUPPLY AND DRAINAGE BOARD, MADRAS, 1974-76; ASSISTANT ENGINEER, MADRAS METROPOLITAN AND WATER SUPPLY AND SEWAGE PROJECT, 1976-78; SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1978-84; SCIENTIST EI, N.E.E.R.I. SINCE OCTOBER, 1984.

PRESENT ACTIVITIES : R & D IN WATER AND WASTE WATER SYSTEMS; ENVIRONMENTAL IMPACT ANALYSIS; SYSTEMS ANALYSIS; CONSULTANCY IN ENVIRONMENTAL ENGINEERING.

LANGUAGES : TELUGU, HINDI, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 14.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECH. DEV., PILOT PLANT, CONSULTANCY AND TEACHING (TOTAL : 19 YEARS).

6587

DR(MRS) DURGA ROY; (B. AUGUST 27, 1942),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : M.SC. BIOCHEMISTRY - NAGPUR '64; PH.D. BIOCHEMISTRY - JADAVPUR '85.

SPECIALIZATIONS : INDUSTRIAL WASTE WATER TREATMENT AND DISPOSAL; ENVIRONMENTAL IMPACT ANALYSIS AND ASSESMENT; BIOTECHNOLOGY.

EXPERIENCE : J.S.A., NEERI, NAGPUR, 1964-72; S.S.A., ASSISTANT, N.E.E.R.I., CALCUTTA, 1972-76; SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1976-88; (ALSO ATTENDED TRAINING PROGRAMME IN ENVIRONMENTAL AND INDUSTRIAL WATER POLLUTION CONTROL, DENMARK, 1985); SCIENTIST EI, N.E.E.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN TREATMENT AND DISPOSAL OF INDUSTRIAL WASTE WATER;

LANGUAGES : BENGALI, HINDI, MARATHI, ENGLISH.

VISITED : DENMARK.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, REPORTS - 9, ARTICLES - 3. **PROFESSIONAL EXPERIENCE(IN YEARS):** BASIC RES. - 8, APPLIED RES. - 15, TESTING - 3.

6588

SHRI N SARASWAT; (B. JULY 27, 1958),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR

6589

DR RAJKAMAL SARIN; (B. SEPTEMBER 4, 1948),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '67; M.SC. INORGANIC
CHEMISTRY - NAGPUR '69; PH.D. INORGANIC CHEMIS-
TRY - NAGPUR '72.

SPECIALIZATIONS : ELECTROANALYTICAL CHEMISTRY;
WATER QUALITY MODELLING; WATER QUALITY MONITOR-
ING; ENVIRONMENTAL EDUCATION.

EXPERIENCE : SENIOR LECTURER, SINDHU MAHAVIDY-
ALAYA, NAGPUR UNIVERSITY, NAGPUR, 1972-77; SCIENTIST
B AND SCIENTIST C, N.E.E.R.I., 1977-88; (ALSO WHO CONSULT-
ANT, INDONESIA, 1982 AND EISENHOWER FELLOW, U S A,
MARCH 1987); SCIENTIST EI, N.E.E.R.I. SINCE APRIL, 1988;
(ALSO W.H.O. ADVISOR, USA AND CANADA, 1988 & 1990 AND
UNEP ADVISOR, GENEVA, 1990).

PRESENT ACTIVITIES : R & D IN WATER QUALITY AS-
SESSMENT AND IMPACT OF TOXIC SUBSTANCES ON ENVI-
RONMENT.

LANGUAGES : PUNJABI, HINDI, MARATHI, ENGLISH.

VISITED : INDONESIA, U S A, CANADA, SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 65, TECH.
REPORTS - 27, ARTICLES - 15, COURSE MANUALS - 21.

AWARDS & DISTINCTIONS : FIVE CASH AWARDS ON
DIFFERENT RESEARCH PAPERS; FELLOW, INSTITUTION OF
CHEMISTS (INDIA), 1980; EISENHOWER FELLOW, 1987; THREE
CASH AWARDS FOR R & D EXCELLENCE, NEERI.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 22, APP. RES. - 13, TEACHING - 8.

6590

**DR(MRS) REKHA SARKAR; (B. NOVEMBER 14,
1939),**

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '59; M.SC. ZOOLOGY -
NAGPUR '61; PH.D. ZOOLOGY - NAGPUR '85; CERTIFI-
CATE IN FRENCH - NAGPUR '70.

SPECIALIZATIONS : WATER POLLUTION BIOLOGY;
ECOLOGY OF FRESH WATER; BIOMONITORING OF WATER
QUALITY; AQUATIC TOXICOLOGY; LAND ECOLOGY AND
ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : J.S.A., S.S.A., J.S.O., SCIENTIST A, SCIENTIST
B AND SCIENTIST C, N.E.E.R.I., 1962-88; SCIENTIST EI,
N.E.E.R.I. SINCE MARCH, 1988.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL IM-
PACT ASSESSEMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH, FRENCH.

VISITED : THE NETHERLANDS, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 29, TECH.
REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
29.

6591

**DR(MRS) SHANTA SATYANARAYAN; (B. FEB-
RUARY 15, 1943),**

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '64; M.SC. ZOOLOGY -
NAGPUR '67; PH.D. ZOOLOGY - NAGPUR '81.

SPECIALIZATIONS : ENTOMOLOGY; TOXICITY EFFECTS
OF SOME CHLORINATED HYDROCARBONS ON FISH; BIOGAS;
WASTE WATER TREATMENT.

EXPERIENCE : J.R.F., J.S.A., S.S.A., SCIENTIST B AND SCIEN-
TIST C, N.E.E.R.I., 1967-89; SCIENTIST EI, N.E.E.R.I. SINCE
APRIL, 1989.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TAMIL, MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 40, TECH.
REPORTS - 16.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 23, TEACHING - 1.

6592

DR N SHIVARAMAN; (B. FEBRUARY 25, 1946),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '65; M.SC. BIOCHEMIS-
TRY - NAGPUR '72; PH.D. MICROBIOLOGY - NAGPUR '81.

SPECIALIZATIONS : BIOCHEMISTRY; MICROBIOLOGY;
ENVIRONMENTAL BIOTECHNOLOGY; MICROBIAL DEGRA-
DATION OF POLLUTANTS.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST B AND
SCIENTIST C, N.E.E.R.I., 1966-88; SCIENTIST EI, N.E.E.R.I. SINCE
SEPTEMBER, 1988.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL MI-
CROBIOLOGY.

LANGUAGES : TAMIL, HINDI, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH.
REPORTS - 3, PAPERS PRESENTED - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
21, TEACHING - 5.

6593

SHRI N G SWARNAKAR; (B. MARCH 6, 1940),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : A.M.I.E. MECHANICAL ENGINEERING
- INSTITUTION OF ENGINEERS (INDIA) '72; DIPLOMA IN
INDUSTRIAL MANAGEMENT - REGIONAL ENGINEERING
COLLEGE, NAGPUR '81.

SPECIALIZATIONS : WORKSHOP TECHNOLOGY; PRO-
DUCTION ENGINEERING.

EXPERIENCE : WORKSHOP SUPERINTENDENT (B) AND WORKSHOP SUPERINTENDENT (C), N.E.E.R.I., 1974-87; SCIENTIST EI, N.E.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : DESIGN, FABRICATION AND MAINTENANCE OF MECHANICAL EQUIPMENTS INCLUDING ELECTRICAL INSTALLATIONS; BIOMETHANATION OF DISTILLERY WASTE/HOSPITAL WASTE WATER.

LANGUAGES : HINDI, ENGLISH, MARATHI.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 5, PATENT - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, TECH. DEVELOPMENT, MAINTENANCE AND INDUSTRIAL MANAGEMENT (TOTAL : 16 YEARS).

6594

SHRI S K TITUS; (B. SEPTEMBER 11, 1940),

SCIENTIST EI, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - AGRA '57; M.SC. ORGANIC CHEMISTRY - AGRA '59.

SPECIALIZATIONS : DEVELOPMENT OF ANALYTICAL TECHNIQUES; BIOCONVERSION AND ORGANIC MANURE PREPARATION; SOLID WASTE MANAGEMENT; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.E.E.R.I., 1960-84; (ALSO ADVANCED STUDIES IN SOLID WASTE HANDLING, UNDER W.H.O. PROGRAMME, U.K., W. GERMANY AND SWITZERLAND, 1977); SCIENTIST EI, N.E.E.R.I. SINCE JUNE, 1984.

PRESENT ACTIVITIES : APPLIED RESEARCH; SOLID WASTE MANAGEMENT.

LANGUAGES : HINDI, MARATHI, ENGLISH.

VISITED : U.K., W. GERMANY, SWITZERLAND, U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 27, TECH. REPORTS - 25, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 1, APPLIED RESEARCH - 20, TECHNICAL DEV. - 5, PILOT PLANT - 5, CONSULTANCY - 15, R & D MANAGEMENT - 20, TESTING - 10, QUALITY CONTROL - 10, TEACHING - 2.

6595

SHRI B Z ALONE; (B. MAY 19, 1943),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : M.SC. CHEMISTRY - MARATHWADA '68.

SPECIALIZATIONS : SOLID WASTE ANALYSIS AND MANAGEMENT; INSTRUMENTAL CHEMICAL ANALYSIS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1969-86; (ALSO ADVANCED TRAINING IN MODERN INSTRUMENTAL ANALYTICAL METHODS, UNDER UNESCO PROGRAMME, CZECHOSLOVAKIA, 1981-82); SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN BIOGAS FROM LANDFILLS; ENVIRONMENTAL IMPACT ASSESSMENT; SOLID WASTE MANAGEMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 23, TECH. REPORTS - 16.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21., PILOT PLANT - 13.

6596

SHRI J K BASSIN; (B. JULY 3, 1954),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC.(ENGG) ELECTRONICS & COMMUNICATION ENGG. - KURUKSHETRA '75; CERTIFICATE IN COMPUTER PROGRAMMING FOR SCIENTISTS & ENGINEERS - V.R.C.E., NAGPUR '83.

SPECIALIZATIONS : INSTRUMENTATION AND DIGITAL ELECTRONICS; COMPUTER SOFTWARE DEVELOPMENT; MATHEMATICAL MODELLING AND OPTIMIZATION; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : SHIFT-IN-CHARGE, PAPER PRODUCTS LTD., NAGPUR, 1976-79; J.S.A., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1979-88; SCIENTIST C, N.E.E.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : DEVELOPMENT OF COMPUTER APPLICATION SOFTWARE.

LANGUAGES : PUNJABI, HINDI, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, DESIGN - 4, TECHNICAL DEV. - 4, MAINTENANCE - 3, COMPUTER PROCESSING - 4.

6597

SHRI J K BHATTACHARYYA; (B. MARCH 15, 1952),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - JADAVPUR '75; M.E. CHEMICAL ENGINEERING - JADAVPUR '79.

SPECIALIZATIONS : CHEMICAL ENGINEERING; SOLID WASTE MANAGEMENT; RECYCLING OF WASTES; THERMAL PROCESSING OF WATER.

EXPERIENCE : RESEARCH FELLOW, JADAVPUR UNIV., 1980-81; S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1981-89; SCIENTIST C, N.E.E.R.I. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : R & D IN SOLID WASTE MANAGEMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 14.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APPLIED RESEARCH - 5.

6598

SHRI R V BHOYAR; (B. JANUARY 1, 1944),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '64; M.SC. ZOOLOGY -
NAGPUR '67.

SPECIALIZATIONS : BIOLOGY AND BIOCHEMISTRY OF
COMPOSITES; BIOCONVERSION OF SOLID WASTE; SOLID
WASTE MANAGEMENT FOR INDIAN CITIES; MUNICIPAL
SOLID WASTE TREATMENT.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCI-
ENTIST B, N.E.E.R.I., 1969-88; (ALSO TRAINING IN INDUSTRIAL
WATER POLLUTION & ENVIRONMENTAL CONTROL, DEN-
MARK, 1985); SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : APPLIED RESEARCH AND SOLID
WASTE MANAGEMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : DENMARK.

PUBLICATIONS & PATENTS : RES. PAPERS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED
RESEARCH - 21.

6599

**SHRI ARUN KANTI BISWAS; (B. JANUARY 26,
1948),**

SCIENTIST C, NEERI ZONAL LABORATORY, CALCUTTA (NA-
TIONAL ENVIRONMENTAL ENGINEERING RESEARCH
INSTITUTE, NAGPUR).

QUALIFICATIONS : B.E. CIVIL - JADAVPUR '70; M.E. CIVIL
AND ENVIRONMENTAL ENGINEERING - JADAVPUR '77.

SPECIALIZATIONS : WATER POLLUTION; INDUSTRIAL
WASTE WATER TREATMENT; RURAL WATER SUPPLY AND
SANITATION; ENVIRONMENTAL IMPACT ANALYSIS.

EXPERIENCE : ASSISTANT ENGINEER CMDA, 1977-79; SCI-
ENTIST B, N.E.E.R.I., 1979-84; SCIENTIST C, N.E.E.R.I. SINCE
JULY, 1984.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL POL-
LUTION AND EIA STUDIES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, ARTICLES
- 1, TECH. REPORTS - 14.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 2, APP. RES. - 7, DESIGN - 6, PLANNING - 8, CONSTRUCTION
- 4.

6600

**DR(MRS) CHANDRA CHAKRABARTI; (B. SEP-
TEMBER 26, 1951),**

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : M.SC. BIOCHEMISTRY - NAGPUR '73,
PH.D BIOCHEMISTRY - NAGPUR '88.

SPECIALIZATIONS : WASTE RECYCLING AND UTILISA-
TION; ENVIRONMENTAL BIOCHEMISTRY.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST
B, N.E.E.R.I., 1973-87; SCIENTIST C, N.E.E.R.I. SINCE FEBRU-
ARY, 1987.

PRESENT ACTIVITIES : R & D IN WASTE WATER RECY-
CLING AND UTILISATION, EIA AND BIOCHEMICAL CYCLES
IN RIVER GANGA.

LANGUAGES : BENGALI, HINDI, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH.
REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 7, APP. RES. - 17, TECH. DEVE. - 10, R & D MGMT. - 15.

6601

SRI B CHAKRADHAR; (B. JUNE 27, 1956),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING -
OSMANIA '78; M.TECH. CHEMICAL ENGINEERING - OS-
MANIA '80.

SPECIALIZATIONS : WATER TREATMENT; SEWAGE
TREATMENT; INDUSTRIAL WASTE TREATMENT STUDIES
ENVIRONMENTAL IMPACT ASSESSMENT; ENERGY RECOV-
ERY SYSTEMS.

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B,
N.E.E.R.I., 1982-90; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY,
1990.

PRESENT ACTIVITIES : ENVIRONMENT IMPACT ASSESS-
MENT STUDIES.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH.
REPORTS - 20, PROCESSES DEVE. - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED
RESEARCH - 4, CONSULTANCY - 8, DESIGN - 8.

6602

**MRS ANURADHA A CHANDORKAR; (B. DECEM-
BER 25, 1943),**

SCIENTIST C, NEERI ZONAL LABORATORY, BOMBAY (NA-
TIONAL ENVIRONMENTAL ENGINEERING RESEARCH
INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - NAGPUR '63; M.SC. ORGANIC
CHEMISTRY - NAGPUR '65.

SPECIALIZATIONS : BACTERIOLOGICAL ANALYSIS OF
WATER AND SEWAGE; PHYSICAL AND CHEMICAL ANALYSIS
OF SOIL, WATER, SEWAGE AND SOLID WASTE.

EXPERIENCE : DEMONSTRATOR, HISLOP COLLEGE, NAG-
PUR, 1965-66; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B,
N.E.E.R.I., 1966-88; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY,
1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : DENMARK.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH.
REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 17, APP. RES. - 21, TEACHING - 1.

6603**DR P R CHAUDHARI; (B. JUNE 6, 1948),**

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - AMRAVATI '70; M.SC. BOTANY - NAGPUR '72; PH.D. BOTANY - NAGPUR '79; CERTIFICATE IN FRENCH - NAGPUR '82.**SPECIALIZATIONS** : SOIL MICROBIOLOGY; PALAEOBOTANY; ECOTOXICOLOGY; LIMNOLOGY AND LAND ECOLOGY; AEROBIC WASTE WATER TREATMENT.**EXPERIENCE** : DEMONSTRATOR, SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI (M.S.), 1972-73; LECTURER, INSTITUTE OF SCIENCE AND SHRI SHIVAJI EDUCATION SOCIETY'S SCIENCE COLLEGE, NAGPUR, 1974-76; SENIOR RESEARCH FELLOW, J.S.A., S.S.A AND SCIENTIST B, N.E.E.R.I., 1978-87; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1987.**PRESENT ACTIVITIES** : RESEARCH.**LANGUAGES** : MARATHI, HINDI, ENGLISH, FRENCH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 15, ARTICLES - 1.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 3, APP. RES. - 14, PILOT PLANT - 5, R & D MGMT - 2, TEACHING - 2.**6604****SHRI A M DESHKAR; (B. JUNE 16, 1946),**

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '66; M.SC. ORGANIC CHEMISTRY - NAGPUR '69.**SPECIALIZATIONS** : ORGANIC CHEMISTRY; WATER TREATMENT; SEWAGE AND INDUSTRIAL WASTE CHARACTERISATION, TREATMENT AND DISPOSAL.**EXPERIENCE** : ASSTT. TEACHER, C.P. & BERAR HIGH SCHOOL, NAGPUR, 1969-71; J.S.A., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1971-87; (ALSO ADVANCED TRAINING IN WASTE WATER TREATMENT, WEST GERMANY, 1979-80); SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1987.**PRESENT ACTIVITIES** : RESEARCH IN WASTE WATER TREATMENT, SEWAGE AND INDUSTRIAL TREATMENT AND DISPOSAL.**LANGUAGES** : MARATHI, HINDI, GUJARATI, ENGLISH.**VISITED** : W. GERMANY.**PUBLICATIONS & PATENTS** : RES. PAPERS - 11, TECH. REPORTS - 11, REVIEW - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 20, APP. RES. - 20, PILOT PLANT - 4, TEACHING - 2.**6605****DR C V DESHPANDE; (B. JUNE 18, 1949),**

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - JIWAJI '70; M.SC. PHYSICAL CHEMISTRY - JIWAJI '72; PH.D. CHEMISTRY - NAGPUR '81.**SPECIALIZATIONS** : WASTE WATER TREATMENT; BIOGAS PRODUCTION BY ANAEROBIC SYSTEM.**EXPERIENCE** : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1973 -88; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES** : R & D IN WASTE WATER TREATMENT.**LANGUAGES** : MARATHI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 19, TECH. REPORTS - 15.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 3, APP. RES. - 14, PILOT PLANT - 6.**6606****DR S D DESHPANDE; (B. JANUARY 1, 1946),**

SCIENTIST C, NATIONAL ENVIRONMENT ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '68; M.SC. CHEMISTRY - NAGPUR '71; PH.D. BIOCHEMISTRY - NAGPUR '86.**SPECIALIZATIONS** : WASTE WATER TREATMENT; ENVIRONMENTAL CHEMISTRY; RIVER QUALITY MONITORING.**EXPERIENCE** : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1972-88; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES** : R & D IN WASTE WATER TREATMENT.**LANGUAGES** : MARATHI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 8, TECH. REPORTS - 10.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 14, APP. RES. - 11, TECH. DEV. - 3, PILOT PLANT - 2, CONSULTANCY - 5, OPERATION - 1.**6607****MRS V A DESHPANDE; (B. SEPTEMBER 27, 1951),**

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '70; M.SC. STATISTICS - NAGPUR '72.**SPECIALIZATIONS** : STATISTICS; COMPUTER PROCESSING.**EXPERIENCE** : ASSTT. PROFESSOR OF STATISTICS, PUNJABRAO KRISHI VIDYAPEETH, AKOLA, 1973-74; DATA PROCESSING ASSTT. AND DATA PROCESSING SUPERVISOR, NATIONAL SAMPLE SURVEY ORGANISATION, NAGPUR, 1975-80; S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1980-88; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES** : COMPUTER PROCESSING AND STATISTICAL ANALYSIS.**LANGUAGES** : MARATHI, HINDI, ENGLISH.**PUBLICATIONS & PATENT** : RES PAPER - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : R & D - 9, TEACHING - 2, DATA PROCESSING AND STATISTICAL ANALYSIS - 6.

6608

DR V P DESHPANDE; (B. MAY 17, 1950),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. CIVIL - NAGPUR '72; M.TECH. PUB-
LIC HEALTH ENGINEERING - NAGPUR '76, PH.D ENVI-
RONMENTAL ENGINEERING - NAGPUR '90.

SPECIALIZATIONS : WATER TREATMENT; ENVIRON-
MENTAL IMPACT ASSESSMENT; WASTE WATER TREAT-
MENT.

EXPERIENCE : JUNIOR ENGINEER, NATIONAL HIGHWAY
DEPARTMENT, MAHARASHTRA, 1972-74; JUNIOR ENGINEER,
STATE ELECTRICITY BOARD, MAHARASHTRA, 1976-78;
S.R.F., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1978-85; SCIENTIST
C, N.E.E.R.I. SINCE DECEMBER, 1985.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL ENGI-
NEERING, FIELD STUDIES ON WATER AND WASTE WATER
TREATMENT, ENVIRONMENTAL IMPACT ANALYSIS, AND
LOW COST TREATMENT TECHNOLOGY.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : INDONESIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 40, TECH.
REPORTS - 50.

AWARDS & DISTINCTIONS : NATIONAL FIRST PRIZE
AWARD, JIWWA, 1981; NATIONAL BEST PRIZE AWARD, JI-
WWA, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
1, DESIGN - 2, PILOT PLANT - 2, CONSULTANCY - 4, CON-
STRUCTION - 4.

6609

MRS S S DHAGE; (B. AUGUST 20, 1949),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '69; A.I.C. - INSTITU-
TION OF CHEMISTS (INDIA) '74.

SPECIALIZATIONS : ENVIRONMENTAL CHEMISTRY;
WATER SUPPLY AND TREATMENT.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND
SCIENTIST B, N.E.E.R.I., 1970-88; SCIENTIST C, N.E.E.R.I. SINCE
MAY, 1988.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL
CHEMISTRY WITH SPECIAL REFERENCE TO WATER SUPPLY
AND TREATMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH.
REPORTS - 19.

AWARDS & DISTINCTIONS : CASH AWARD FOR BEST
LECTURE, IWWA, 1981-82; CASH AWARD FOR PRESENTATION
OF PAPER, IWWA, 1987; CASH AWARD FOR BEST PAPER PUB-
LISHED IN J I W W A, 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES.,
TESTING, SURVEY OF NAT. RESOURCES AND PROCESS DE-
VELOPMENT (TOTAL : 21 YEARS).

6610

**DR D M DHARMADHIKARI; (B. DECEMBER 3,
1945),**

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : M.SC. PHYSICAL CHEMISTRY - NAG-
PUR '71; PH.D. CHEMISTRY - NAGPUR '79.

SPECIALIZATIONS : AIR MONITORING AND ANALYSIS;
ENVIRONMENTAL IMPACT ANALYSIS; INSTRUMENTAL
CHEMICAL ANALYSIS.

EXPERIENCE : LECTURER, G.N. COLLEGE OF SCIENCE,
1971-72; S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B,
N.E.E.R.I., 1973-88; (ALSO ATTENDED A POSTGRADUATE
COURSE, UNDER UNESCO, CZECHOSLOVAKIA, 1979-80); SCI-
ENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : DEVELOPMENT OF ANALYTICAL
METHODS FOR AIR POLLUTANTS.

LANGUAGES : MARATHI, HINDI, SANSKRIT, ENGLISH,
CZECH.

VISITED : CZECHOSLOVAKIA, U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS -25, TECH.
REPORTS - 19, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 7, APP. RES. - 7, TESTING - 1, TEACHING - 1.

6611

SHRI S N DHONE; (B. JULY 1, 1955),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - NAGPUR
'79; M.TECH. ENVIRONMENTAL ENGINEERING - NAG-
PUR '82.

SPECIALIZATIONS : ENVIRONMENTAL ENGINEERING;
WATER DISTRIBUTION SYSTEMS.

EXPERIENCE : JR. ENGINEER, IRRIGATION DEPTT., BHAN-
DARA, 1979-80; LECTURER, GOVT. POLYTECHNIC, NAGPUR,
1982-83; SCIENTIST B, N.E.E.R.I. JUNE, 1983-88; SCIENTIST C,
N.E.E.R.I. SINCE JUNE, 1988.

PRESENT ACTIVITIES : PREVENTIVE MAINTENANCE OF
WATER DISTRIBUTION SYSTEMS/DESIGN OF WATER DISTRI-
BUTION SYSTEMS.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH.
REPORTS - 11, SCIENTIFIC BOOKS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
7, CONSULTANCY - 3, DESIGN - 1, CONSTRUCTION - 1, TEACH-
ING - 1.

6612

SHRI P S DUTT; (B. JULY 19, 1957),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - HY-
DERABAD '79; M.TECH. BUILDING TECHNOLOGY - I.I.T.

MADRAS '81; P.G.D.M. MANAGEMENT - I.I.M. BANGALORE '83;

EXPERIENCE : CSIR FELLOW, N.E.E.R.I., 1988-89; SCIENTIST C, N.E.E.R.I. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : MATHEMATICAL MODELLING AND COMPUTER APPLICATIONS IN ENVIRONMENTAL IMPACT ASSESSMENT.

AWARDS & DISTINCTIONS : FELLOW, I I M, 1988.

6613

DR(MRS) ANURADHA S GADKARI; (B. DECEMBER 17, 1941),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '62; M.SC. ZOOLOGY - NAGPUR '64; PH.D. ZOOLOGY - NAGPUR '82; SENIOR DIPLOMA IN FRENCH '83. B.A (ADDITIONAL) SOCIOLOGY 1989

SPECIALIZATIONS : LIMNOLOGY; TOXICOLOGY; EPIDEMIOLOGY; PARASITOLOGY; HEALTH EDUCATION AND ENVIRONMENTAL AWARENESS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1964-86; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH IN EPIDEMIOLOGY, PARASITOLOGY, HEALTH EDUCATION AND ENVIRONMENTAL AWARENESS PROGRAMMES.

LANGUAGES : MARATHI, HINDI, ENGLISH, FRENCH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 45, TECH. REPORTS - 45.

AWARDS & DISTINCTIONS : BEST PAPER AWARD AT 4TH NATIONAL CONVENTION ON ENVIRONMENTAL ENGINEERING, 1979; BEST PAPER AWARD, I W W A, 1983; EXPERT, 'PANEL OF SCIENCE & TECH FOR WOMEN' D S T.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 18, PILOT PLANT - 2.

6614

SHRI S A GAIKWAD; (B. JULY 16, 1944),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. MECHANICAL - NAGPUR '69; M.TECH. HEAT POWER ENGINEERING - NAGPUR '88.

SPECIALIZATIONS : WATER SUPPLY AND SEWAGE TREATMENT PLANTS; SOLID WASTE MANAGEMENT; RECOVERY OF BIOGAS FROM LANDFILLS; MECHANICAL ENGINEERING.

EXPERIENCE : JUNIOR ENGINEER (MECH.), ENVIRONMENTAL ENGINEERING CIRCLE, NAGPUR, 1969-78; S.S.A. AND SCIENTIST B, N.E.E.R.I., 1978-85; SCIENTIST C, N.E.E.R.I. SINCE DECEMBER, 1985.

PRESENT ACTIVITIES : R & D ACTIVITIES IN ENVIRONMENTAL ENGINEERING.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11, TECHNICAL DEV. - 6, PILOT PLANT - 2, CONSULTANCY - 11, R & D MANAGEMENT - 10, OPERATION - 2, ADMINISTRATION - 2.

6615

DR T K GHOSH; (B. AUGUST 11, 1951),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC.(HONS) - KALYANI '70; M.SC. ZOOLOGY - KALYANI '72; PH.D. ZOOLOGY - KALYANI '79.

SPECIALIZATIONS : FISHERIES; AQUATIC ECOTOXICOLOGY; ENVIRONMENTAL BIOLOGY.

EXPERIENCE : LECTURER, KANCHRAPARA COLLEGE, KANCHRAPARA, W. BENGAL, 1979; J.S.A., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1979-87; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH ON IMPACT OF TOXICANTS TO ALGAE, ZOOPLANKTON AND FISH; ALSO FACULTY MEMBER OF THE INSTITUTE FOR INDO-DUTCH TRAINING PROGRAMMES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 23, TECH. REPORTS - 20, BOOK REVIEW - 1.

AWARDS & DISTINCTIONS : CERTIFICATE OF APPRECIATION FOR SUCCESSFUL COMPLETION OF AN INDO-US PROJECT, USDA-OICD, 1974-79; FELLOW, ACADEMY OF ICHTHYOLOGY, 1980.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, TEACHING - 6.

6616

DR R JAYABALOU; (B. SEPTEMBER 14, 1948),

SCIENTIST C, NEERI ZONAL LABORATORY, MADRAS (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - MADRAS '70; M.E. CHEMICAL PLANT DESIGN - MYSORE '74; M.ENG. NUCLEAR ENGINEERING - TEXAS A & M, USA '75; DOCTEUR INGENIEUR CHEMICAL - TOULOUSE, FRANCE '76.

SPECIALIZATIONS : ENVIRONMENTAL IMPACT ASSESSMENT; INDUSTRIAL WASTE WATER TREATMENT; AIR POLLUTION MONITORING AND CONTROL; MATHEMATICAL MODELLING AND OPTIMIZATION; LIQUID/LIQUID EXTRACTION.

EXPERIENCE : POOL OFFICER (C.S.I.R.), UNIVERSITY OF MADRAS, 1978; SCIENTIST B, N.E.E.R.I., 1978-83; (ALSO G.O.I. TRAINEE, NEYVELI LIGNITE CORPORATION, TAMIL NADU, 1981-82); SCIENTIST C, N.E.E.R.I. SINCE OCTOBER, 1983.

PRESENT ACTIVITIES : R & D AND CONSULTANCY IN AIR POLLUTION MONITORING AND CONTROL; ENVIRONMENTAL IMPACT ASSESSMENT.

LANGUAGES : TAMIL, MALAYALAM, KANNADA, ENGLISH, FRENCH, GERMAN.

VISITED : U S A, FRANCE, BELGIUM, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 11, PROCESSES DEVELOPED - 2.

AWARDS & DISTINCTIONS : FELLOW, INDIAN CHEMICAL SOCIETY, 1972; FELLOW, INSTITUTION OF CHEMISTS (INDIA), 1986; FELLOW, SOCIETY FOR ADVANCEMENT OF ELECTROCHEMICAL SCIENCE TECHNOLOGY, 1987.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, DESIGN - 1, PILOT PLANT - 6, CONSULTANCY - 3, R & D MGMT. - 4, COMPUTER PROCESSING - 3, OPERATION - 1.

6617

MISS NIRMALA S JOSHI; (B. APRIL 16, 1939),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '61; B.SC. HOME SCIENCE - NAGPUR '63; A.I.C. ANALYTICAL CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '70.

SPECIALIZATIONS : ENVIRONMENTAL CHEMISTRY; WATER AND SEWAGE ANALYSIS; SOILS AND FERTILIZERS ANALYSIS; WATER SUPPLY AND TREATMENT.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1964-88; (ALSO WORKED ON A RESEARCH PROJECT ON IRON REMOVAL FROM GROUND WATER BY UP AND DOWN BLOW FILTRATION - DENMARK, 1984-85); SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : DENMARK.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 27.

6618

DR(MRS) ASHA JUWARKAR; (B. NOVEMBER 3, 1955),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC.(HONS) ZOOLOGY - DELHI '76; M.SC. MICROBIOLOGY - I.A.R.I., NEW DELHI '78; PH.D. MICROBIOLOGY - I.A.R.I., NEW DELHI '82.

SPECIALIZATIONS : MICROBIOLOGY; ENVIRONMENTAL MICROBIOLOGY; BIOTECHNOLOGY; BIOLOGICAL WASTE WATER TREATMENT; BIOLOGICAL RECLAMATION.

EXPERIENCE : SCIENTIST B, N.E.E.R.I., 1982-87; SCIENTIST C, N.E.E.R.I. SINCE JUNE, 1987.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL MICROBIOLOGY AND BIOTECHNOLOGY.

LANGUAGES : HINDI, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 26, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 5, TEACHING - 1.

6619

DR ASHOK SHANKARRAO JUWARKAR; (B. MARCH 6, 1951),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. (AG.) - PUNJABRAO KRISHI VIDYAPEETH, AKOLA '72; M.SC. AGRIL CHEM & SOIL SCIENCE - PUNJABRAO KRISHI VIDYAPEETH, AKOLA '74; PH.D. (AG.) SOIL SCIENCE, PUNJABRAO KRISHI VIDYAPEETH, AKOLA '84.

SPECIALIZATIONS : DOMESTIC AND INDUSTRIAL WASTE WATER QUALITY EVALUATION FOR LAND APPLICATION; ENVIRONMENTAL POLLUTION CONTROL; RECLAMATION & DEVELOPMENT OF MINED SPOIL DUMPS AND WASTE LAND; HAZARDOUS WASTE MANAGEMENT BY LAND DISPOSAL.

EXPERIENCE : J.S.A. AND SCIENTIST B, N.E.E.R.I., 1975-85; SCIENTIST C, N.E.E.R.I. SINCE DECEMBER, 1985.

PRESENT ACTIVITIES : R & D IN LAND DISPOSAL OF SEWAGE AND INDUSTRIAL WASTE RESOURCE MGMT; MINES LAND, MINE SPOIL AND WASTE LAND DEVELOPMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 11, APP. RES. - 11, SURVEY OF NATURAL RESOURCES - 3.

6620

SHRI P S KELKAR; (B. JULY 8, 1949),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC.(TECH) CHEM. ENGINEERING & TECHNOLOGY - NAGPUR '71; M.E. ENVIRONMENTAL ENGINEERING - ROORKEE '79; DIPLOMA IN SANITARY ENGINEERING - I.H.E., DELFT, NETHERLANDS '87.

SPECIALIZATIONS : WATER ENGINEERING; WASTE WATER ENGINEERING; ENVIRONMENTAL CHEMISTRY; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : S.L.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1971-87; SCIENTIST C, N.E.E.R.I. SINCE MAY, 1987.

PRESENT ACTIVITIES : R & D IN WATER AND WASTE WATER ENGINEERING.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : THE NETHERLANDS, W.GERMANY, AUSTRIA, SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 8, PATENTS FILED CURRENTLY - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., TECHNICAL DEV., PILOT PLANT, TESTING, SURVEY OF NAT. RESOURCES, PLANNING AND TECHNOLOGY TRANSFER - (TOTAL : 20 YEARS).

6621

SHRI SHARAD NILAKANTHRAO KHADAKKAR;
(B. JULY 7, 1938),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '61; A.I.C. ANALYTICAL
CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA)
'72.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY; DOMESTIC
AND INDUSTRIAL WASTE WATER TREATMENT; WATER
POLLUTION MONITORING AND MANAGEMENT; ENVIRONMENTAL
IMPACT ANALYSIS.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND
SCIENTIST B, N.E.E.R.I., 1962-86; SCIENTIST C, N.E.E.R.I. SINCE
FEBRUARY, 1986.

PRESENT ACTIVITIES : ENVIRONMENT IMPACT ASSESSMENT
OF LAND ENVIRONMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : THE NETHERLANDS.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH.
REPORTS - 10, PROCESSES DEVELOPED - 3, PROCESSES UNDER
UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
29.

6622

SHRI AHMAD KHAN; (B. JANUARY 7, 1936),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '59; A.I.C. CHEMISTRY
- INSTITUTION OF CHEMISTS (INDIA) '65; POST-GRADUATE
DIPLOMA IN CHEMISTRY OF MARINE POLLUTION -
UNIVERSITY OF LIVERPOOL, U.K. '78.

SPECIALIZATIONS : WATER AND WASTE WATER TREATMENT
AND PROCESS DESIGN; CHEMISTRY OF WATER AND SEWAGE;
CHEMISTRY OF MARINE POLLUTION; UTILISATION OF SEWAGE
AND EFFLUENT ON LAND.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND
SCIENTIST B, N.E.E.R.I., 1959-84; SCIENTIST C, N.E.E.R.I. SINCE
APRIL, 1984.

PRESENT ACTIVITIES : R & D IN WASTE WATER TREATMENT
AND ENVIRONMENTAL POLLUTION CONTROL; EIA OF ONGC
ONSHORE & OFFSHORE ACTIVITIES; EXAMINER AT GRADUATE &
POSTGRADUATE LEVEL IN ENVIRONMENTAL SCIENCE & ENGG.

LANGUAGES : URDU, HINDI, ARABIC, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH.
REPORTS - 6, PATENT - 1, PROCESSES DEVELOPED - 4, PROCESSES
UNDER UTILISATION - 3.

AWARDS & DISTINCTIONS : BEST INVENTION AWARD, 1986;
BEST PAPER AWARD, INSTITUTION OF PUBLIC HEALTH ENGINEERS
(INDIA), 1987; DG (CSIR) SILVER MEDAL, 1985; NRDC AWARD
1988; VASANTRAO NAIK PARITHISTAN AWARD, 1988; FELICITATION
ON CSIR DAY, SEPTEMBER, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
32, DESIGN - 20, PILOT PLANT - 28, CONSULTANCY - 4, CON-

STRUCTION - 10, OPERATION - 28, TESTING - 17, Q.L.T.Y. CONTROL -
17, MAINTENANCE - 28, TEACHING - 20, SURVEY OF NATURAL
RESOURCES - 4.

6623

SHRI V KOTHANDARAMAN; (B. MAY 5, 1939),

SCIENTIST C, NEERI ZONAL LABORATORY, MADRAS (NATIONAL
ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - MADRAS '58; A.I.C. CHEMISTRY
- INSTITUTION OF CHEMISTS (INDIA) '66.

SPECIALIZATIONS : INDUSTRIAL WASTE TREATMENT.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST
B, N.E.E.R.I., 1959-86; SCIENTIST C, N.E.E.R.I. SINCE MARCH,
1986; (ALSO TRAINING IN INDUSTRIAL WASTE TREATMENT, UNDER
W.H.O. FELLOWSHIP, U.S.A., 1979).

PRESENT ACTIVITIES : RESEARCH ON WATER POLLUTION.

LANGUAGES : TAMIL, HINDI, ENGLISH.

VISITED : U.S.A.

PUBLICATIONS & PATENTS : RES. PAPERS - 34.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
10, PILOT PLANT - 2, CONSULTANCY - 8, TESTING - 8.

6624

SHRI D G KSHIRSAGAR; (B. FEBRUARY 24, 1945),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '68; M.SC. BIOCHEMISTRY -
NAGPUR '71.

SPECIALIZATIONS : ENVIRONMENTAL MICROBIOLOGY.

EXPERIENCE : CHEMIST, R.K. FLOUR MILL, NAGPUR, 1968-72;
S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1972-88;
SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS -
31.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
15.

6625

DR ANIMESH KUMAR; (B. NOVEMBER 23, 1950),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - MEERUT '70; M.SC. PHYSICS - MEERUT
'73; POST DIPLOMA IN APP. ELECTRONICS & MICROWAVE TECH. -
DELHI BOARD OF TECH. EDUCATION '74; PH.D. PHYSICS - NAGPUR
'87.

SPECIALIZATIONS : ATOMIC ABSORPTION SPECTROPHOTOMETRY;
DIGITAL AND ELECTRONIC INSTRUMENTATION.

EXPERIENCE : S.O., INDIAN METROLOGICAL DEPT., DELHI,
1974-78; S.S.A., SCIENTIST A AND SCIENTIST B,

N.E.E.R.I., 1978-87; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN ANALYTICAL INSTRUMENTS AND AIR POLLUTION MONITORING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, DESIGN - 4, OPERATION - 12, TESTING - 12, QUALITY CONTROL - 2, MAINTENANCE - 12, COMPUTER PROCESSING - 3.

6626

SHRI RAKESH KUMAR; (B. MARCH 18, 1964),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - MAGADH '83; M.SC. CHEMISTRY - I.I.T., BOMBAY '85; M.TECH. - ENVIRONMENTAL SCIENCE & ENGINEERING - I.I.T., BOMBAY '87.

SPECIALIZATIONS : AIR POLLUTION CONTROL; WATER AND WASTE WATER TREATMENT; ENVIRONMENTAL IMPACT ASSESSMENT; ECOLOGICAL HABITATE ASSESSMENT.

EXPERIENCE : R & D ENGINEER, PARAMOUNT POLLUTION CONTROL LTD., BARODA, 1987; CSIR FELLOW, N.E.E.R.I., 1987-89; SCIENTIST C, N.E.E.R.I. SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES : R & D, CONSULTANCY AND SURVEYS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 25, PROCESSES DEVELOPMENT - 2, PROCESSES UNDER UTILIZATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 2, APPLIED RESEARCH - 4, DESIGN - 4, TECHNICAL DEV. - 2, CONSULTANCY - 3, R & D MANAGEMENT - 2.

6627

SHRI S B LAKHE; (B. JUNE 24, 1943),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '63; M.SC. BIOCHEMISTRY - NAGPUR '65; JUNIOR DIPLOMA IN GERMAN - NAGPUR '72.

SPECIALIZATIONS : BIOCHEMISTRY; ENVIRONMENTAL VIROLOGY.

EXPERIENCE : LECTURER (PART-TIME), GOVERNMENT AYURVEDIC COLLEGE, NAGPUR, 1965-66; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1966-86; (ALSO VISITED MALAYSIA AND THAILAND AS WHO FELLOW FOR TRAINING IN DRINKING WATER QUALITY ASSURANCE AND SEWAGE TREATMENT PRACTICES, 1987); SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH IN ENVIRONMENTAL VIROLOGY; CONCENTRATION AND DETECTION OF VIRUSES FROM LARGE VOLUMES OF WATER; EVALUATION OF SEWAGE AND WATER TREATMENT PLANT FOR VIRUS REMOVAL.

LANGUAGES : MARATHI, HINDI, ENGLISH, GERMAN.

VISITED : MALAYSIA, THAILAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 2, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 21, TECH. DEV. - 4.

6628

SHRI N S MANTHAPURWAR; (B. AUGUST 23, 1942),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - SAUGAR '63; B.TECH. CHEMICAL ENGINEERING - NAGPUR '70; M.TECH. CHEMICAL ENGINEERING - NAGPUR '85.

SPECIALIZATIONS : AIR POLLUTION MONITORING AND CONTROL.

EXPERIENCE : J.R.F., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1971-84; (ALSO A.E. CHEMICAL, ON DEPUTATION, B.M.C., 1977-79); SCIENTIST C, N.E.E.R.I. SINCE APRIL, 1984.

PRESENT ACTIVITIES : AIR POLLUTION STUDIES AND ITS CONTROL.

LANGUAGES : TELUGU, HINDI, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 15, REVIEWS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, TECH. DEV. - 4, CONSULTANCY - 4, AIR POLLUTION SURVEYS - 9.

6629

MRS GITI MUKHERJEE; (B. SEPTEMBER 2, 1941),

SCIENTIST C, NEERI ZONAL LABORATORY, CALCUTTA (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC.(HONS) BOTANY - CALCUTTA '63; M.SC. BOTANY - CALCUTTA '65; P.G. CERTIFICATE IN ENVIRONMENTAL BIOLOGY - CALCUTTA '75.

SPECIALIZATIONS : AIR AND WATER POLLUTION.

EXPERIENCE : TEACHER, SARASWATI BALIKA VIDYALAYA, CALCUTTA, 1966; GUIDE/ LECTURER, INDIAN MUSEUM, CALCUTTA, 1966; RESEARCH ASSISTANT, ALL INDIA INSTITUTE OF HYGIENE & PUB-HEALTH, CALCUTTA, 1966-70; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1970-86; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : AIR QUALITY MONITORING; CHEMICAL AND BIOLOGICAL ANALYSIS OF RIVER WATER, SEWAGE AND INDUSTRIAL WASTE; ENVIRONMENTAL IMPACT ANALYSIS.

LANGUAGES : BENGALI, HINDI, BURMESE, ENGLISH.

VISITED : THAILAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 14, REVIEW PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 18, PILOT PLANT - 4, TEACHING - 1.

6630

SHRI P L MUTHAL; (B. DECEMBER 25, 1950),SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.**QUALIFICATIONS** : B.SC. - NAGPUR '69; M.SC. PHYSICS -
NAGPUR '71; PH.D. PHYSICS - NAGPUR '89.**SPECIALIZATIONS** : ANALYTICAL INSTRUMENTATION;
ELECTRONICS; SOLID STATE PHYSICS,**EXPERIENCE** : J.T.A., NAGPUR UNIVERSITY, 1971-74; J.T.A.,
S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1974-87; SCI-
ENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1987.**PRESENT ACTIVITIES** : R & D IN INSTRUMENTATION AND
SOLID STATE PHYSICS.**LANGUAGES** : MARATHI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 12, TECH.
REPORTS - 2, ARTICLES - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES.
- 7, APP. RES. - 16, OPERATION - 15, MAINTENANCE - 15,
TEACHING - 2.

6631

SHRI J L NAGPAL; (B. JANUARY 24, 1938),SCIENTIST C, NEERI ZONAL LABORATORY, DELHI (NA-
TIONAL ENVIRONMENTAL ENGINEERING RESEARCH
INSTITUTE, NAGPUR).**QUALIFICATIONS** : A.M.I.E. CIVIL - INSTITUTION OF ENGI-
NEERS (INDIA) '73.**SPECIALIZATIONS** : ENVIRONMENTAL ENGINEERING.**EXPERIENCE** : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND
SCIENTIST B, N.E.E.R.I., 1961-87; SCIENTIST C, N.E.E.R.I. SINCE
APRIL, 1987.**PRESENT ACTIVITIES** : WATER QUALITY ASSESSMENT
OF RURAL GROUND WATER.**LANGUAGES** : HINDI, URDU, PUNJABI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 8, TECH.
REPORTS - 8.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES.
- 30, APPLIED RESEARCH - 30.

6632

SHRI A K NAMDEO; (B. JULY 7, 1961),SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

6633

SHRI K M NANDGAONKAR; (B. MAY 14, 1937),PRODUCTION OFFICER (C), NATIONAL ENVIRONMENTAL EN-
GINEERING RESEARCH INSTITUTE, NAGPUR.**QUALIFICATIONS** : B.SC. - NAGPUR '61; B.J. JOURNALISM
- NAGPUR '71; CERTIFICATE IN LIBRARY SCIENCE - GOV-
ERNMENT OF MAHARASHTRA TECHNICAL BOARD '63.**SPECIALIZATIONS** : TECHNICAL EDITING; PRINTING AND
PRODUCTION OF PUBLICATIONS.**EXPERIENCE** : J.L.A., JUNIOR LIBRARIAN, J.S.A. (PUBLICA-
TION), S.T.A. (PUBLICATION), PRODUCTION OFFICER (A) AND
PRODUCTION OFFICER (B), N.E.E.R.I., 1962-86; PRODUCTION
OFFICER (C), N.E.E.R.I. SINCE JANUARY, 1986.**PRESENT ACTIVITIES** : PRINTING OF PUBLICATIONS
AND TECHNICAL EDITING.**LANGUAGES** : MARATHI, HINDI, SANSKRIT, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : EDITING -
20, PRINTING - 20, DOCUMENTATION - 4, REPROGRAPHY - 9.

6634

SHRI TAPAS NANDY; (B. SEPTEMBER 9, 1957),SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.**QUALIFICATIONS** : B.E. CIVIL ENGINEERING - JIWAJI '78;
M.TECH PUBLIC HEALTH ENGINEERING - NAGPUR '80.**SPECIALIZATIONS** : ENVIRONMENTAL ENGINEERING;
WASTE WATER TREATMENT; RESOURCE RECOVERY;
BIOGAS FROM INDUSTRIAL WASTE WATERS; ENVIRON-
MENTAL IMPACT ASSESSMENT.**EXPERIENCE** : S.S.A., SCIENTIST A AND SCIENTIST B,
N.E.E.R.I., 1981-87; SCIENTIST C, N.E.E.R.I. SINCE MAY, 1987.**PRESENT ACTIVITIES** : R & D IN ENVIRONMENTAL ENGI-
NEERING WITH SPECIAL REFERENCE TO WASTE WATER
TREATMENT.**LANGUAGES** : HINDI, BENGALI, MARATHI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 27, TECH.
REPORTS - 20.**AWARDS & DISTINCTIONS** : BEST PAPER AWARD, INSTI-
TUTION OF PUBLIC HEALTH ENGINEERS, (INDIA), 1982.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. -
5, DESIGN - 3, TECHNICAL DEV. - 4, PILOT PLANT - 3, CON-
SULTANCY - 5.

6635

**DR(MRS) VAISHALI J NASHIKKAR; (B. FEBRU-
ARY 9, 1953),**SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.**QUALIFICATIONS** : B.SC. - NAGPUR '71; M.SC. BIOCHEMIS-
TRY - NAGPUR '73. PH.D BIOCHEMISTRY - NAGPUR '88.**SPECIALIZATIONS** : WASTE RECYCLING AND UTILISA-
TION; BIOCHEMISTRY.**EXPERIENCE** : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST
B, N.E.E.R.I., 1973-87; SCIENTIST C, N.E.E.R.I. SINCE FEBRU-
ARY, 1987.**PRESENT ACTIVITIES** : R & D IN WASTE RECYCLING AND
UTILISATION; EIA STUDIES.**LANGUAGES** : MARATHI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 16, TECH.
REPORTS - 12.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES.
- 7, APP. RES. - 17, TECHNICAL DEV. - 10, R & D MANAGEMENT
- 15.

6636

MRS PRATIBHA NAWGHARE; (B. SEPTEMBER 22, 1949),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. CIVIL ENGINEERING - KANPUR '70; M.TECH. PUBLIC HEALTH ENGINEERING - NAGPUR '73; CERTIFICATE COURSE IN COMPUTER PROCESSING.

SPECIALIZATIONS : WATER ENGINEERING; AIR POLLUTION; R & D MANAGEMENT.

EXPERIENCE : LECTURER, GOVERNMENT POLYTECHNIC, KANPUR, 1975; POST-GRADUATE RESEARCH, TOHOKU UNIVERSITY, JAPAN, 1976-77; POOL OFFICER (C.S.I.R.), N.E.E.R.I., 1977-78; SCIENTIST B, N.E.E.R.I., 1978-83; SCIENTIST C, N.E.E.R.I. SINCE SEPTEMBER, 1983.

PRESENT ACTIVITIES : RESEARCH; PROJECT MONITORING AND EVALUATION.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 3.

AWARDS & DISTINCTIONS : MERIT CERTIFICATE FOR PAPER "EFFECT OF SHAPE OF PADDLE AND CONTAINER ON FLOCCULATION PROCESS", INSTITUTION OF ENGINEERS, 1977.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TEACHING - 1, R & D MANAGEMENT - 9.

6637

SHRI W G NAWLAKHE; (B. MAY 12, 1937),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '62; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '75.

SPECIALIZATIONS : WATER TREATMENT.

EXPERIENCE : ASSISTANT TEACHER, N.H. HIGH SCHOOL, BRAMHAPURI, MAHARASHTRA, 1957-59 AND 1961-64; J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1964-86; (ALSO ATTENDED THREE MONTHS TRAINING COURSE ON INDUSTRIAL WATER POLLUTION AND ENVIRONMENTAL CONTROL, DENMARK, 1987); SCIENTIST C, N.E.E.R.I. SINCE APRIL, 1986.

PRESENT ACTIVITIES : R & D IN WATER CHEMISTRY AND WATER TREATMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH, FRENCH.

VISITED : DENMARK.

PUBLICATIONS & PATENTS : RES. PAPERS - 40, TECH. REPORTS - 21, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 26, TECH. DEV. - 26, PILOT PLANT - 10, OPERATION - 26, TESTING - 19, PRODUCTION - 2, TEACHING - 5.

6638

DR M S OLANIYA; (B. JANUARY 10, 1937),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - RAJASTHAN '62; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '69; PH.D. HEAVY METALS AND ITS IMPACT ON ENVIRONMENT - OSMANIA '91.

SPECIALIZATIONS : SOLID WASTE MANAGEMENT; RIVER AND ESTUARY POLLUTION STUDIES; ENVIRONMENTAL IMPACT ASSESSMENT STUDIES; COMPOSTING, RECYCLING, DISPOSAL AND LEACHATE STUDIES.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1964-86; (ALSO ATTENDED COURSE ON INDUSTRIAL WATER POLLUTION AND ENVIRONMENT CONTROL, DENMARK, 1985); SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : HINDI, ENGLISH.

VISITED : DENMARK.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 25.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, PILOT PLANT - 8, TESTING - 12.

6639

DR J S PANDEY; (B. JULY 1, 1960),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - I.I.T., KHARAGPUR '80; M.SC. PHYSICS - I.I.T., KHARAGPUR '82; D.I.I.T. INDUSTRIAL PHYSICS - I.I.T., KHARAGPUR '83, PH.D. PHYSICS - I.I.T., KHARAGPUR '88.

SPECIALIZATIONS : SOLID STATE PHYSICS; ECOLOGICAL MODELLING; MATHEMATICAL MODELLING; THEORETICAL PHYSICS.

EXPERIENCE : SCIENTIST B, N.E.E.R.I., 1987-89; SCIENTIST C, N.E.E.R.I. SINCE MAY, 1989.

PRESENT ACTIVITIES : BASIC AND APPLIED RESEARCH IN ECOLOGICAL MODELLING.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, ARTICLES - 2.

AWARDS & DISTINCTIONS : NEERI FOUNDATION DAY AWARD, 1989 & 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, TEACHING - 3.

6640

DR R A PANDEY; (B. FEBRUARY 17, 1954),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - GORAKHPUR '73; M.SC. CHEMISTRY - GORAKHPUR '75, PH.D. CHEMISTRY - NAGPUR '88.

SPECIALIZATIONS : CHEMISTRY; ENVIRONMENTAL CHEMISTRY.

EXPERIENCE : ASSTT. CHEMIST, HINDUSTAN GAS AND INDUSTRIES, 24-PARGANAS (W.B.), 1976; CHEMIST, HINDUSTAN PVT. LTD., CALCUTTA, 1977; J.S.A., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1979-90; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL POLLUTION CONTROL.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES. AND PILOT PLANT - (TOTAL : 12 YEARS).

6641

DR GIRISH H PANDYA; (B. JULY 17, 1946),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '68; M.SC. CHEMISTRY - NAGPUR '70; PH.D. CHEMISTRY - NAGPUR '75; CERTIFICATE IN GERMAN LANGUAGE '80.

SPECIALIZATIONS : ENVIRONMENTAL CHEMISTRY; AIR AND WATER POLLUTION; PHYSICAL CHEMISTRY; ANALYTICAL QUALITY CONTROL; QUALITY ASSURANCE IN AIR AND WATER ANALYSIS; ANALYTICAL INSTRUMENTATION.

EXPERIENCE : LECTURER, LAXMINARAYAN INSTITUTE OF TECHNOLOGY, NAGPUR, 1974-75; S.S.A. AND SCIENTIST B, N.E.E.R.I., 1975-85; SCIENTIST C, N.E.E.R.I. SINCE DECEMBER, 1985.

PRESENT ACTIVITIES : R & D IN AIR AND WATER POLLUTION; DEVELOPMENT OF ANALYTICAL TECHNIQUES; ANALYTICAL INSTRUMENTATION.

LANGUAGES : GUJARATI, HINDI, MARATHI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, PATENT FILED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 15, TEACHING - 2.

6642

DR P P PATHE; (B. SEPTEMBER 29, 1947),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '67; M.SC. CHEMISTRY - NAGPUR '71; PH.D. CHEMISTRY - NAGPUR '74.

SPECIALIZATIONS : ENVIRONMENTAL CHEMISTRY; WASTE WATER TREATMENT.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1972-87; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL ENGINEERING WITH SPECIAL REFERENCE TO ANAEROBIC WASTE TREATMENT SYSTEMS.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 38, TECH. REPORTS - 26.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 6, TECHNICAL DEVELOPMENT - 4, PILOT PLANT - 2, CONSULTANCY - 3.

6643

SHRI A D PATIL; (B. NOVEMBER 1, 1945),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '67; M.SC. CHEMISTRY - NAGPUR '69; M.TECH. CHEMICAL TECHNOLOGY - NAGPUR '71; DIP. ENVIRONMENTAL SC. & TECH. - INTERNATIONAL INST. FOR HYDRAULIC & ENVIRONMENTAL ENGINEERING, DELFT, THE NETHERLANDS '80.

SPECIALIZATIONS : RECYCLING OF SOLID WASTE; PYROLYTIC DECOMPOSITION OF ORGANIC WASTES; SOLID WASTE MANAGEMENT.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1971-87; (ALSO POST-GRADUATE STUDIES IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY, THE NETHERLANDS, 1979-80); SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : THE NETHERLANDS, U.K., W. GERMANY, BELGIUM.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 10, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, DESIGN - 2, PILOT PLANT - 2.

6644

SHRI H J PATIL; (B. NOVEMBER 3, 1941),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - NAGPUR '60.

EXPERIENCE : J.T.A., S.T.A., SCIENTIST A AND TECHNICAL OFFICER (B), N.E.E.R.I., 1963-79; TECHNICAL OFFICER (C), N.E.E.R.I. SINCE APRIL, 1979.

PRESENT ACTIVITIES : WORKSHOP ENGINEERING; PILOT PLANT MAINTENANCE; R & D.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PAPERS PUBLISHED - 2, PATENTS FILED - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D - 18, DESIGN - 5, WORKSHOP - 5, PILOT PLANT MAINTENANCE - 18.

6645

SHRI K M PHADKE; (B. DECEMBER 5, 1944),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '66; M.SC. INORGANIC CHEMISTRY - NAGPUR '70.

SPECIALIZATIONS : INORGANIC CHEMISTRY; AIR MONITORING SURVEYS; ANALYSIS OF AIR POLLUTANTS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1971-88; (ALSO ATTENDED WHO SPONSORED TRAINING COURSE ON ENVIRONMENTAL POLLUTION, U.K., SEPT-DEC, 1980); SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN AIR POLLUTION AND EIA STUDIES.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 16, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 2, QUALITY CONTROL - 3, TEACHING - 1, SURVEY OF NAT. RESOURCES - 3, PLANNING - 1, COMPUTER PROCESSING - 1.

6646

SHRI D S RAMTEKE; (B. FEBRUARY 3, 1951),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '73; M.SC. - ANALYTICAL CHEMISTRY - NAGPUR '76; PH.D. CHEMISTRY - NAGPUR '90.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY; WASTE WATER TREATMENT; RECYCLING OF WASTE; ENVIRONMENTAL IMPACT ASSESSMENT; CARBON (ABSORPTION) TECHNOLOGY.

EXPERIENCE : J.L.A., C.F.R.I., 1977-78; S.L.A., INSTITUTE OF COAL SURVEY, NAGPUR AND BILASPUR, 1978-79; J.S.A., C.F.R.I., 1980-81; S.S.A. AND SCIENTIST B, N.E.E.R.I., 1980-88; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN WASTE WATER TREATMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 17, ARTICLES - 1, PATENT AWARDED - 1, PROCESSES DEVELOPED - 6, COURSE MANUALS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 14, TECH. DEV. - 6, QUALITY CONTROL - 2, INDUSTRIAL MGMT. - 1, TEACHING - 10, SURVEY OF NAT. RESOURCES - 2, EDITING - 6, AUTHORSHIP - 2, TRAINING COURSES - 16.

6647

SHRI K SUBBA RAO; (B. JUNE 10, 1940),

SCIENTIST C, NEERI ZONAL LABORATORY, MADRAS (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - NAGPUR '61; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '71.

SPECIALIZATIONS : ENVIRONMENTAL IMPACT ASSESSMENT; ENVIRONMENTAL MICROBIOLOGY.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1962-88; (ALSO SPECIAL TRAINING IN

HYDROLOGY AND ENVIRONMENTAL ENGINEERING, SPONSORED BY W.H.O., THE NETHERLANDS, 1982); SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL MICROBIOLOGY.

LANGUAGES : KANNADA, TAMIL, HINDI, MARATHI, ENGLISH.

VISITED : THE NETHERLANDS, U.K., FRANCE, GERMANY, SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 24.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 8, PILOT PLANT - 5, CONSULTANCY - 8, R & D MGMT. - 5, TESTING - 2, Q.LTY. CONTROL - 1, EXTENTION - 1.

6648

SHRI A GEORGE REDDY; (B. JUNE 15, 1951),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B. TECH. CHEMICAL ENGINEERING - OSMANIA '74; M.S. CHEMICAL ENGINEERING - OKLAHOMA STATE UNIVERSITY, U S A '75.

SPECIALIZATIONS : CHEMICAL ENGINEERING; AIR POLLUTION.

EXPERIENCE : POOL OFFICER (CSIR), REGIONAL TESTING CENTRE, NEW DELHI, 1977-78; S.R.F., N.E.E.R.I., NAGPUR, 1981-82; SCIENTIST B, N.E.E.R.I., 1982-87; SCIENTIST C, N.E.E.R.I. SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : R & D IN AIR POLLUTION AND CONDUCTING FIELD STUDIES IN AIR POLLUTION.

LANGUAGES : TELUGU, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSULTANCY - 1, OPERATION - 7.

6649

SHRI M KARUNAKAR REDDY; (B. AUGUST 16, 1952),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - OSMANIA '74; M.TECH. CHEMICAL ENGINEERING - OSMANIA '77; CERTIFICATE IN COMPUTER PROGRAMMING - VRCE '83.

SPECIALIZATIONS : AIR POLLUTION CONTROL; AIR QUALITY MONITORING.

EXPERIENCE : CHEMICAL ENGINEER (DESIGN) - TECHNO-CHEM ENGINEERS, 1977; RESEARCH FELLOW, R.R.L., HYDERABAD, 1978; S.S.A. AND SCIENTIST B, N.E.E.R.I., 1978-87; SCIENTIST C, N.E.E.R.I. SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : AIR POLLUTION CONTROL AND AIR QUALITY MONITORING; ENVIRONMENTAL IMPACT ASSESSMENT.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, TECH. DEV. AND CONSULTANCY - (TOTAL : 12 YEARS).

6650

DR TAPAN ROUTH; (B. JANUARY 9, 1946),

SCIENTIST C, NEERI ZONAL LABORATORY, KANPUR (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC.- AGRA '64; M.SC. CHEM - AGRA '67; PH.D. CHEMISTRY KANPUR '90.

SPECIALIZATIONS : ANAEROBIC BIOTECHNOLOGY FOR WASTE WATER TREATMENT; PERFORMANCE EVALUATION OF WATER TREATMENT PLANTS; RIVER SURVEY.

EXPERIENCE : J.T.A., C.D.R.I., LUCKNOW, 1968-70; J.S.A., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1971-88; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : WATER AND WASTE WATER TREATMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, CONSULTANCY - 2, TESTING - 15, SURVEY OF NATURAL RESOURCES - 2.

6651

SHRI S PENTU SAHIB; (B. APRIL 25, 1954),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - ANDHRA '75; M.SC. METEOROLOGY - ANDHRA '77.

SPECIALIZATIONS : AIR POLLUTION METEOROLOGY; AIR POLLUTION MODELLING; SOFTWARE DEVELOPMENT FOR ENVIRONMENTAL DATA PROCESSING; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : J.R.F., A.U. COLLEGE OF ENGINEERING AND A.U. COLLEGE OF SCIENCE AND TECHNOLOGY, WALTAIR, 1978-81; SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1981-88; SCIENTIST C, N.E.E.R.I. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : AIR QUALITY SIMULATION MODELING; ENVIRONMENTAL IMPACT ASSESSMENT AND SOFTWARE DEVELOPMENT.

LANGUAGES : URDU, TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 2, APPLIED RESEARCH - 5, DESIGN - 1, COMPUTER PROCESSING - 4.

6652

MRS L N SANGOLKAR; (B. MARCH 6, 1957),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '76; M.SC. BOTANY - NAGPUR '78; JR. STATISTICIAN'S COURSE IN STATISTICS - NAGPUR '80.

SPECIALIZATIONS : POLYNOLOGY; TOXICOLOGY; BIOLOGICAL WASTE WATER TREATMENT.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1979-90; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : RESEARCH IN HEAVY METAL TOXICITY TO PHYTOPLANKTON, RECYCLING OF WASTE WATER, BIOMONITORING OF TERRESTRIAL AND AQUATIC FLORA.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11.

6653

DR RISHI SHANKAR; (B. JULY 18, 1960),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - LUCKNOW '78; M.SC. BIOCHEMISTRY - LUCKNOW '80; PH.D. ENVIRONMENTAL MICROBIAL AND TOXICOLOGY - KANPUR '85.

SPECIALIZATIONS : ENVIRONMENTAL MICROBIOLOGY; BIOCHEMISTRY; MOLECULAR BIOLOGY; ENZYMOLOGY.

EXPERIENCE : J.R.F., S.R.F., RES. ASSOCIATE, I.T.R.C., LUCKNOW, 1981-87; S.G.M. RESEARCH FELLOW, QUEEN MARY COLLEGE, LONDON, U.K., 1987-88; POST DOCTORAL FELLOW, PENN. STATE UNIV., U S A, 1988-90; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1992.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : HINDI, ENGLISH.

VISITED : U.K., U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 9, TEACHING - 3.

6654

DR (MRS) ANJALI SRIVASTAVA; (B. FEBRUARY 8, 1954),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. NAGPUR '72; M.S.C. CHEMISTRY - NAGPUR '74; PH.D. CHEMISTRY - NAGPUR '79; COMPUTER PROGRAMMING - KOPE UNIV, JAPAN '81.

SPECIALIZATIONS : PHYSICAL CHEMISTRY; COMPUTER PROGRAMMING; ENVIRONMENTAL MODELLING; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : LECTURER, SINDHU MAHAVIDYALAYA, NAGPUR, 1974; LECTURER, CMP DEGREE COLLEGE, ALLAHABAD, 1982-84; POOL OFFICER, ALLAHABAD UNIV., ALLAHABAD, 1984-85; RESEARCH ASSOCIATE, NAGPUR AND ALLAHABAD UNIV., 1987-89; SCIENTIST C, N.E.E.R.I. SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES : BASIC RESEARCH, MODELLING AND IMPACT ASSESSMENT.

LANGUAGES : HINDI, ENGLISH, MARATHI.

VISITED : JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 9, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 10, TEACHING - 6, COMPUTER PROCESSING - 3.

6655

DR Y V SUBRAHMANYAM; (B. SEPTEMBER 14, 1943),

SCIENTIST C, NEERI ZONAL LABORATORY, MADRAS (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : M.SC. BIOCHEMISTRY - POONA '72, PH.D BIOCHEMISTRY - MADRAS '87.

SPECIALIZATIONS : BIOCHEMISTRY; AIR POLLUTION MONITORING AND CONTROL; INDUSTRIAL WASTE TREATMENT; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : S.L.A., J.S.A. AND N.C.L. PUNE, 1964-71; J.S.A., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1973-88; SCIENTIST C, N.E.E.R.I. SINCE MAY, 1988.

PRESENT ACTIVITIES : RESEARCH IN AIR POLLUTION AND CONTROL.

LANGUAGES : TELUGU, HINDI, TAMIL, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 10, ARTICLES - 2, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 9, PILOT PLANT - 3, CONSULTANCY - 4, TESTING - 2.

6656

SHRI E P I SUNDERSINGH; (B. JULY 18, 1935),

TECHNICAL OFFICER (C), NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.

QUALIFICATIONS : DIPLOMA IN CINE PHOTOGRAPHY - R.I.P. INSTITUTE, COLOMBO '51; DIPLOMA IN CIVIL ENGINEERING - MADRAS '57; TRAINING IN MICROFILMING AND REPROGRAPHY - B.A.R.C., BOMBAY.

SPECIALIZATIONS : PHOTOGRAPHY.

EXPERIENCE : TRACER, PHOTOGRAPHER, J.T.A., S.T.A., PHOTOGRAPHIC OFFICER (A) AND PHOTOGRAPHIC OFFICER (B), N.E.E.R.I., 1958-80; PHOTOGRAPHIC OFFICER (C), N.E.E.R.I. SINCE SEPTEMBER, 1980.

PRESENT ACTIVITIES : DRAWING AND DESIGN; PHOTOGRAPHY.

LANGUAGES : TAMIL, MALAYALAM, HINDI, ENGLISH.

VISITED : SRI LANKA.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 2, REPROGRAPHY & PHOTOGRAPHY - 31.

6657

DR (MRS) K SWAMINATHAN; (B. APRIL 5, 1948),
SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - KERALA '67; M.SC. CHEMISTRY - KERALA '69. PH.D BIOCHEMISTRY - NAGPUR '88.

SPECIALIZATIONS : ANALYSIS OF WASTE WATER; WASTE WATER TREATMENT.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1974-88; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN WASTE WATER TREATMENT; HAZARDOUS WASTE MANAGEMENT.

LANGUAGES : TAMIL, HINDI, MALAYALAM, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 13.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 13, CONSULTANCY - 5.

6658

SHRI S M TAMHANE; (B. JULY 15, 1950),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - NAGPUR '71; M.TECH. CHEMICAL ENGINEERING - NAGPUR '77; DIPLOMA IN GERMAN LANGUAGE - RAJASTHAN '82.

SPECIALIZATIONS : PLANT DESIGN; DESIGN OF AIR POLLUTION CONTROL EQUIPMENT.

EXPERIENCE : S.S.A. AND SCIENTIST B, N.E.E.R.I., 1977-84; SCIENTIST C, N.E.E.R.I. SINCE APRIL, 1984.

PRESENT ACTIVITIES : DESIGN AND EFFICIENCY TESTING OF AIR POLLUTION CONTROL EQUIPMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, DESIGN - 2, TESTING - 10, TEACHING - 2, TECHNO-ECONOMIC SURVEYS - 8, TECHNOLOGY TRANSFER - 2.

6659

DR(MRS) NEETA THAKKAR; (B. MARCH 28, 1952),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR

QUALIFICATIONS : B.SC. - JIWAJI '70; M.SC. ORGANIC CHEMISTRY - JIWAJI '72; PH.D. SYNTHETIC ORGANIC CHEMISTRY - JIWAJI '77.

SPECIALIZATIONS : SYNTHETIC ORGANIC CHEMISTRY; WATER QUALITY ASSESSMENT AND TREATMENT; ENVIRONMENTAL STUDIES RELATED TO ORGANIC POLLUTANTS.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST B, N.E.E.R.I., 1977-87; (ALSO ATTENDED VII INTERNATIONAL CONFERENCE OF WOMEN ENGINEERS & SCIENTISTS, WASHINGTON, U S A, 1984); SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : AQUATIC ENVIRONMENTAL STUDIES RELATED TO TRACE ORGANIC POLLUTANTS; PESTICIDE REMOVAL STUDY; ENVIRONMENTAL MANAGEMENT STUDIES FOR VISAKHAPATNAM REFINERY.

LANGUAGES : GUJARATI, HINDI, ENGLISH.

VISITED : U S A, U.K., THAILAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 46, TECH. REPORTS - 11, ARTICLES - 5.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF CHEMISTS (INDIA); FELLOW, JAPANESE ASSOCIATION OF UNIVERSITY OF WOMEN, 1982; BEST AWARD AT 19TH CONVENTION OF IWWA, 1987;

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 14, TESTING - 8, QUALITY CONTROL - 5, TEACHING - 5, SURVEY OF NATURAL RESOURCES - 14

6660

DR(MRS) REKHA ANIL THAKRE; (B. FEBRUARY 9, 1946),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '65; M.SC. BOTANY - NAGPUR '67; PH.D. BOTANY - NAGPUR '83; DIPLOMA IN ENVIRONMENT MANAGEMENT AND PROTECTION - TECHNICAL UNIVERSITY, DRESDEN, E. GERMANY '84.

SPECIALIZATIONS : ENVIRONMENTAL BIOLOGY; AIR, WATER AND WASTE WATER POLLUTION MONITORING AND TREATMENT; ENVIRONMENTAL IMPACT ASSESSMENT; TERRESTRIAL ECOLOGY, ENVIRONMENTAL EDUCATION AND AWARENESS.

EXPERIENCE : S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1969-86; SCIENTIST C, N.E.E.R.I. SINCE APRIL, 1986.

PRESENT ACTIVITIES : ENVIRONMENTAL IMPACT ASSESSMENT; TERRESTRIAL ECOLOGY; AIR QUALITY MONITORING AND PREDICTION EVALUATION; PROPOGETION OF ENVIRONMENTAL AWARENESS.

LANGUAGES : MARATHI, HINDI, ENGLISH, GERMAN.

VISITED : GERMANY, U.S.S.R., CZHECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 41, TECH. REPORTS - 26, SCIENTIFIC BOOKS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, TEACHING - 9, EDITING - 7, EXTENSION - 4.

6661

MRS M V VAIDYA; (B. AUGUST 1, 1940),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '64; M.SC. CHEMISTRY - NAGPUR '69.

SPECIALIZATIONS : ORGANIC CHEMISTRY; POLYMER CHEMISTRY; CELLULOSE CHEMISTRY; WATER CHEMISTRY.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1966-86; SCIENTIST C, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN WATER TREATMENT; WATER QUALITY ASSESSMENT AND MONITORING.

LANGUAGES : MARATHI, HINDI, ENGLISH, GERMAN.

VISITED : DENMARK.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 11, PILOT PLANT - 3, R & D MGMT. - 4, TESTING - 3, PRODUCTION - 2.

6662

SHRI S V WAGHMARE; (B. JUNE 6, 1943),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '64; M.SC. BIOCHEMISTRY - NAGPUR '67.

SPECIALIZATIONS : ENVIRONMENTAL VIROLOGY WITH REFERENCE TO WATER, WASTE WATER AND SLUDGE.

EXPERIENCE : RESEARCH FELLOW, UNIVERSITY DEPARTMENT OF BIOCHEMISTRY, NAGPUR, 1968-71; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1971-86; SCIENTIST C, N.E.E.R.I. SINCE MAY, 1986.

PRESENT ACTIVITIES : RESEARCH IN ENVIRONMENTAL VIROLOGY.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : SRI LANKA, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 8, REVIEW PAPER - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 18, TECH. DEV. - 16, PILOT PLANT - 8.

6663

DR S R WATE; (B. DECEMBER 22, 1955),

SCIENTIST C, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '75; M.SC. BIOCHEMISTRY - NAGPUR '77; PH.D. BIOCHEMISTRY - NAGPUR '82.

SPECIALIZATIONS : ENVIRONMENTAL BIOCHEMISTRY AND MICROBIOLOGY; ENVIRONMENTAL MONITORING; WASTE WATER TREATMENT; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : S.S.A., SCIENTIST A AND SCIENTIST B, N.E.E.R.I., 1981-88; (ALSO TRAINING, UNDER WHO FELLOWSHIP, IN DRINKING WATER QUALITY ASSURANCE AND SANITATION, THAILAND AND INDONESIA, 1987); SCIENTIST C, N.E.E.R.I. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : MARATHI, HINDI, ENGLISH.

VISITED : THAILAND, INDONESIA, CUBA.

PUBLICATIONS & PATENTS : RES. PAPERS - 24, TECH. REPORTS - 19.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 10.

6664

SHRI K M ABOO; (B. JULY 1, 1936),

SCIENTIST B, NEERI ZONAL LABORATORY, MADRAS (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - MADRAS '57; M.SC. BOTANY - BHOPAL '71.

SPECIALIZATIONS : PLANT GENETICS ; PLANT PATHOLOGY; SANITARY BIOLOGY AND MICROBIOLOGY; INDUSTRIAL WASTE AND WATER TREATMENT; AIR POLLUTION; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : DEMONSTRATOR, H.K.R.H. COLLEGE, UTHAMAPALAYAM, MADURAI, 1958-59; RESEARCH ASSISTANT, THE CENTRAL COCONUT RESEARCH STATION, KASARAGOD, KERALA, 1959-61; S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1961-81; (ALSO VISITED U.K., SWEDEN, DENMARK, W. GERMANY AND SWITZERLAND TO STUDY BIOLOGICAL ASPECTS OF WASTE WATER TREATMENT, UNDER W.H.O. PROGRAMME, 1980); SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1981.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL ENGINEERING; ENVIRONMENTAL CHEMISTRY; ENVIRONMENTAL BIOLOGY AND MICROBIOLOGY.

LANGUAGES : MALAYALAM, TAMIL, HINDI, KANNADA, ENGLISH.

VISITED : U.K., SWEDEN, DENMARK, W. GERMANY, SWITZERLAND, FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 21, TECH. REPORTS - 42.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, APP. RES. - 25, CONSULTANCY - 25, R & D MGMT. - 5, TESTING - 15, TEACHING - 2, ADMN. - 3.

6665

SHRI S P ANDEY; (B. MARCH 19, 1958),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - NAGPUR '80.

SPECIALIZATIONS : CHEMICAL ENGINEERING; ENVIRONMENTAL ENGINEERING.

EXPERIENCE : J.S.A, S.S.A. AND SCIENTIST A, N.E.E.R.I., 1981-86; SCIENTIST B, N.E.E.R.I. SINCE AUGUST, 1986.

PRESENT ACTIVITIES : R & D IN WATER SUPPLY AND TREATMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN & DEVELOPMENT, CONSULTANCY (TOTAL : 9 YEARS).

6666

SHRI M H ANSARI; (B. OCTOBER 1, 1944),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - GORAKHPUR '63; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '71; M.SC. CHEMISTRY - GORAKHPUR '75.

SPECIALIZATIONS : WATER CHEMISTRY; ANALYTICAL CHEMISTRY.

EXPERIENCE : J.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1965-86; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : URDU, HINDI, ARABIC, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25.

6667

SHRI A V BHOI; (B. NOVEMBER 5, 1944),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - SAUGAR '64; B.E. CHEMICAL ENGINEERING - RAVI SHANKAR '72.

SPECIALIZATIONS : CHEMICAL ENGINEERING; ENVIRONMENTAL ENGINEERING.

EXPERIENCE : ENGG. SUPERVISOR, ORDNANCE FACTORY, BHANDARA (M.P.), 1975-76; J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1979-83; SCIENTIST B, N.E.E.R.I. SINCE MAY, 1983.

PRESENT ACTIVITIES : R & D IN WATER POLLUTION CONTROL.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 10, PATENTS FILED - 1, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : BEST INVENTION AWARD, ALL INDIA INDUSTRIAL EXHIBITION, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 7, DESIGN - 2, TECHNICAL DEV. - 7, PILOT PLANT - 2, QUALITY CONTROL - 1, PRODUCTION - 1.

6668

SHRI G L BODHE; (B. NOVEMBER 14, 1962),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. ELECTRONICS AND POWER - NAGPUR '85; M.TECH. CONTROL AND INSTRUMENTATION - I.I.T., BOMBAY '87.

SPECIALIZATIONS : CONTROL AND INSTRUMENTATION; ENVIRONMENTAL DATA MANAGEMENT.

EXPERIENCE : SCIENTIST B, N.E.E.R.I. SINCE APRIL, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES PAPER - 4, TECH REP - 2, PATENTS - 1, DESIGN/DEV - 1, TRAINING PROGRAMME - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4.

6669**SHRI M J CHADDA; (B. OCTOBER 2, 1962),**

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGG. - NAGPUR '85; M.TECH. PETROCHEMICAL TECH. - NAGPUR '87.**SPECIALIZATIONS** : CHEMICAL ENGINEERING; PETROCHEMICAL TECHNOLOGY; SEPARATION TECHNOLOGY; BIOCHEMICAL ENGINEERING.**EXPERIENCE** : RESEARCH FELLOW AND SCIENTIST A, N.E.E.R.I., NAGPUR, 1987-91; SCIENTIST B, N.E.E.R.I. SINCE JANUARY, 1991.**PRESENT ACTIVITIES** : R & D IN HAZARDOUS WASTE MANAGEMENT.**LANGUAGES** : HINDI, MARATHI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 7, TECH. REPORTS - 7, PROCESSES DEVE. - 5, PROCESSES UNDER UTILIZATION - 4.**AWARDS & DISTINCTIONS** : BEST INVENTION AWARD, 48TH ALL INDIA INDUSTRIAL EXHIBITION, 1988.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APPLIED RES. - 3, DESIGN - 3, TECHNICAL DEV. - 3, PILOT PLANT - 3, CONSULTANCY - 3, OPERATION - 3.**6670****SHRI MANOJ KUMAR CHATURVEDI; (B. DECEMBER 28, 1960),**

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - GORAKHPUR '80; B.TECH. CHEMICAL TECHNOLOGY - KANPUR '83; M.TECH. CHEMICAL TECHNOLOGY - KANPUR '85.**SPECIALIZATIONS** : INDUSTRIAL FERMENTATION; ENVIRONMENTAL IMPACT ASSESSMENT; BIOCHEMICAL ENGINEERING.**EXPERIENCE** : ASSTT. CHEMICAL ENGINEER, J.K. SYNTHESIS LTD., KOTA, 1985-86; S.R.F. AND RESEARCH ASSOCIATE, UNIVERSITY OF ROORKEE, 1986-88; SCIENTIST B, N.E.E.R.I. SINCE MAY, 1988.**PRESENT ACTIVITIES** : CONSULTANCY IN ENVIRONMENTAL IMPACT ASSESSMENT.**LANGUAGES** : HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 1, TECH. REPORTS - 2, ARTICLES - 1.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 2.**6671****SHRI P B DESHBHRATAR; (B. JULY 17, 1954),**

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. (AG.) - PUNJABRAO KRISHI VIDYAPEETH, AKOLA '74; M.SC. AGRI. CHEMISTRY AND SOIL SCIENCE - PUNJABRAO KRISHI VIDYAPEETH, AKOLA '79.**SPECIALIZATIONS** : WASTE WATER RECYCLING IN AGRICULTURE; IRRIGATION MANAGEMENT; ENVIRONMENTAL POLLUTION CONTROL.**EXPERIENCE** : J.R.F., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1979-86; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1986.**PRESENT ACTIVITIES** : R & D IN WASTE WATER DISPOSAL ON LAND.**LANGUAGES** : MARATHI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 3.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 8, APP. RES. - 8.**6672****SHRI SURESH V DESHPANDE; (B. MARCH 6, 1937),**

SCIENTIST B, NEERI ZONAL LABORATORY, BOMBAY (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - KARNATAK '59; M.SC. CHEMISTRY - BOMBAY '78.**SPECIALIZATIONS** : AIR POLLUTION.**EXPERIENCE** : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1960-81; (ALSO ATTENDED SHORT-TERM TRAINING COURSES ON AIR QUALITY MONITORING AND WATER POLLUTION; FELLOWSHIP, THAILAND, THE NETHERLANDS, FRANCE, U.K., GERMANY AND SWITZERLAND, 1977 AND 1982); SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1981.**PRESENT ACTIVITIES** : RESEARCH IN AIR QUALITY MONITORING AND AIR QUALITY SURVEY.**LANGUAGES** : MARATHI, HINDI, ENGLISH.**VISITED** : THAILAND, THE NETHERLANDS, FRANCE, U.K., GERMANY, SWITZERLAND.**PUBLICATIONS & PATENTS** : RES. PAPERS - 10, TECH. REPORTS - 3.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 26, APP. RES. - 26, R & D MGMT. - 3.**6673****SHRI B S DHILLON; (B. MARCH 31, 1967),**

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGG. - NAGPUR '88; P.G.D. ARTIFICIAL INTELLIGENCE - BOMBAY '92.**SPECIALIZATIONS** : RISK ASSESSMENT; KNOWLEDGE BASED COMPUTER SYSTEMS.**EXPERIENCE** : MANAGEMENT TRAINEE, H.D.C.L., RASAYANI, 1988-89; JUNIOR PROJECT FELLOW AND SENIOR PROJECT FELLOW, N.E.E.R.I., 1989-92; SCIENTIST B, N.E.E.R.I. SINCE MARCH, 1992.**PRESENT ACTIVITIES** : DEVELOPMENT OF EXPERT SYSTEMS.

6674

SHRI S M DHOPTE; (B. OCTOBER 20, 1955),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '75; M.SC. PHYSICS -
NAGPUR '78.

SPECIALIZATIONS : ELECTRONICS; ANALYTICAL IN-
STRUMENTATION.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I.,
1979-85; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : ANALYSIS, REPAIR AND MAINTEN-
ANCE OF ANALYTICAL INSTRUMENTS.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
10, MAINTENANCE - 10.

6675

SHRI S I ELYAS; (B. NOVEMBER 1, 1943),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '65; M.SC. BIOCHEMIS-
TRY - NAGPUR '67.

SPECIALIZATIONS : BIOCHEMISTRY; MICROBIOLOGY.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I.,
1968-81; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1981.

PRESENT ACTIVITIES : RESEARCH IN ENVIRONMENTAL
MICROBIOLOGY, SEWAGE AND WASTE WATER, INDUS-
TRIAL WASTE AND WATER TREATMENT.

LANGUAGES : HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5. TECH.
REPORTS - 16.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
23.

6676

DR D G GAJGHATE; (B. APRIL 15, 1954),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - MARATHAWADA '76; M.SC. IN-
ORGANIC CHEMISTRY - MARATHAWADA '78; PH.D.
CHEMISTRY '87.

SPECIALIZATIONS : ENVIRONMENTAL CHEMISTRY.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I.,
1981-86; SCIENTIST B, N.E.E.R.I. SINCE JUNE, 1986.

PRESENT ACTIVITIES : ENVIRONMENTAL IMPACT
ANALYSIS AND CONTROL.

LANGUAGES : MARATHI, HINDI, TELUGU, ENGLISH.

VISITED : SPAIN.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH.
REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC
RES., APP. RES., TECHNICAL DEV., CONSULTANCY, TESTING
AND TEACHING (TOTAL : 12 YRS).

6677

SHRI A K GANGULY; (B. NOVEMBER 23, 1944),

SCIENTIST B, NEERI ZONAL LABORATORY, CALCUTTA (NA-
TIONAL ENVIRONMENTAL ENGINEERING RESEARCH
INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - BURDWAN '66; A.I.C. WATER,
SEWAGE & BIOCHEMICAL ANALYSIS - INSTITUTION OF
CHEMISTS (INDIA) '76.

SPECIALIZATIONS : WATER POLLUTION STUDIES; RU-
RAL WATER SUPPLY EVALUATION; WASTE WATER TREAT-
MENT; ENVIRONMENTAL IMPACT ANALYSIS.

EXPERIENCE : J.L.A., A.I.I.H & P.H., CALCUTTA, 1970-73;
S.L.A., J.S.A. S.S.A. AND SCIENTIST A, N.E.E.R.I., 1974-85; SCI-
ENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D ON WATER POLLUTION
AND WASTE WATER TREATMENT; ENVIRONMENTAL IM-
PACT ASSESSMENT STUDIES.

LANGUAGES : BENGALI, HINDI, SANSKRIT, ENGLISH, GER-
MAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH.
REPORTS - 14, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 3, APP. RES. - 14, PILOT PLANT - 2, CONSULTANCY - 2,
TESTING - 7, PLANNING - 2.

6678

SHRI A G GAVANE; (B. JANUARY 17, 1953),

SCIENTIST B, NEERI ZONAL LABORATORY, JAIPUR (NA-
TIONAL ENVIRONMENTAL ENGINEERING RESEARCH
INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - NAGPUR '72; A.I.C. CHEMISTRY
- INSTITUTION OF CHEMISTS (INDIA) '78.

SPECIALIZATIONS : ANALYSIS OF WATER, SEWAGE &
WASTE WATER; ANALYSIS OF SOILS; AMBIENT AIR QUAL-
ITY MONITORING AND ANALYSIS; STACK EMISSIONS
MONITORING AND ANALYSIS.

EXPERIENCE : SHIFT SUPERVISOR, BALLARPUR PAPER
MILLS, 1972-74; J.L.A., J.S.A., S.S.A. AND SCIENTIST A,
N.E.E.R.I., 1975-86; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY,
1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH.
REPORTS - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
13, OPERATION - 2, TESTING - 15, QUALITY CONTROL - 1,
PRODUCTION - 2.

6679

SHRI S K GOEL; (B. MAY 30, 1953),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. PULP & PAPER - ROORKEE '87; M.E. CHEMICAL - ROORKEE '89.

SPECIALIZATIONS : INDUSTRIAL POLLUTION ABATEMENT; PULP & PAPER.

EXPERIENCE : RESEARCH ASSTT., UNIVERSITY OF ROORKEE, ROORKEE, 1989-90; SENIOR PROJECT FELLOW, N.E.E.R.I., 1990-92; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1992.

PRESENT ACTIVITIES : RESEARCH AND CONSULTANCY.

6680

DR(MRS) INDARANI GUPTA; (B. JULY 1, 1958),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - UTKAL '77; M.SC. STATISTICS - UTKAL '79; PH.D. OPERATION RESEARCH - I.I.T., BOMBAY '89.

SPECIALIZATIONS : OPERATIONS RESEARCH; STATISTICS.

EXPERIENCE : S.R.F. AND SCIENTIST FELLOW, N.E.E.R.I., 1989; SCIENTIST B, N.E.E.R.I. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : RESEARCH AND CONSULTANCY.

LANGUAGES : BENGALI, HINDI, ENGLISH, ORIYA.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE : BASIC RESEARCH - 5, APPLIED RESEARCH - 2, CONSULTANCY - 2, COMPUTER PROCESSING - 4.

6681

SHRI R K GUPTA; (B. JANUARY 1, 1955),

SCIENTIST B, NEERI ZONAL LABORATORY, KANPUR (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - KANPUR '72; M.SC. CHEMISTRY - KANPUR '74.

SPECIALIZATIONS : AIR QUALITY MONITORING; PERFORMANCE EVALUATION OF WATER TREATMENT PLANTS.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1977-86; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : AIR QUALITY EVALUATION; PERFORMANCE EVALUATION OF WATER TREATMENT PLANTS; ENVIRONMENTAL IMPACT ASSESSMENT.

LANGUAGES : HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 2, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, SURVEY OF NAT. RESOURCES - 1.

6682

SHRI N V JANBANDHU; (B. DECEMBER 27, 1962),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. (MECH.) MECHANICAL ENGG. - NAGPUR '86.

SPECIALIZATIONS : MECHANICAL MAINTENANCE; FABRICATION AND MACHINING; I C ENGINES; REFRIGERATION & AIR CONDITIONING.

EXPERIENCE : J.E.(MECH.), RASHTRIYA CHEMICAL FERTILIZERS, 1987-90; SCIENTIST B, N.E.E.R.I. SINCE NOVEMBER, 1990.

PRESENT ACTIVITIES : RISK ASSESSMENT (BASIC & APPLIED RESEARCH).

LANGUAGES : MARATHI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 2, SHIFT IN CHARGE - 2.

6683

SHRI S D JOSHI; (B. JANUARY 25, 1947),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '68; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '77.

SPECIALIZATIONS : AIR QUALITY MONITORING; ANALYSIS OF TOXIC POLLUTANTS.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1969-86; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : AIR QUALITY MONITORING.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 12, QUALITY CONTROL - 2, SURVEY OF NAT. RESOURCES - 17.

6684

MRS V A JOSHI; (B. FEBRUARY 12, 1949),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '69; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '77; M.SC. ORGANIC CHEMISTRY - NAGPUR '84; CERTIFICATE IN RUSSIAN LANGUAGE - NAGPUR '73.

SPECIALIZATIONS : WATER TREATMENT; WATER QUALITY ASSESSMENT AND MONITORING; MEMBRANE TECHNOLOGY.

EXPERIENCE : J.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1975-86; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : WATER QUALITY ASSESSMENT AND TREATMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TECHNICAL DEV. - 2, PILOT PLANT - 1, TESTING - 5, QUALITY CONTROL - 2.

6685

DR N C KANKAL; (B. FEBRUARY 19, 1952),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - MARATHWADA '75; M.SC. ZO-
OLOGY - MARATHWADA '77; PH.D. ZOOLOGY (PARASI-
TOLOGY) - MARATHWADA '81.

SPECIALIZATIONS : ENVIRONMENTAL BIOLOGY; ENVI-
RONMENTAL CHEMISTRY; BIOCHEMISTRY; AIR POLLUTION.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I.,
1985; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1985.

PRESENT ACTIVITIES : TESTING, APPLIED RESEARCH
AND R & D MANAGEMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH, GUJARATI.

PUBLICATIONS & PATENTS : RES. PAPERS - 21, TECH.
REPORTS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
7, TESTING - 10, R & D MANAGEMENT - 5.

6686

DR J P KOTANGALE; (B. MAY 21, 1946),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '70; M.SC. ZOOLOGY -
NAGPUR '72; COMPUTER PROGRAMMING - VISVES-
VARAYA REG. COLLEGE OF ENGINEERING, NAGPUR '86;
PH.D. ZOOLOGY - NAGPUR '90.

SPECIALIZATIONS : FRESH WATER ZOOLOGY; PISCICUL-
TURE; TOXICOLOGY.

EXPERIENCE : ASSTT. SUPERINTENDENT OF FISHERIES,
DEPTT. OF FISHERIES (M.S.), BHANDRA, 1973-77; J.S.A., S.S.A.
AND SCIENTIST A, N.E.E.R.I., 1977-87; SCIENTIST B, N.E.E.R.I.
SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : BIOMONITORING OF AQUATIC
AND TERRESTRIAL ECOSYSTEMS.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
13, EXTENSION - 4.

6687

**SHRI ACHYUT LAXMAN KULKARNI; (B. JANU-
ARY 5, 1936),**

SCIENTIST B, NEERI ZONAL LABORATORY, BOMBAY (NA-
TIONAL ENVIRONMENTAL ENGINEERING RESEARCH
INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - POONA '59; DIPLOMA IN PA-
THOLOGY AND LABORATORY TECHNOLOGY - GOV-
ERNMENT OF MAHARASHTRA '60.

SPECIALIZATIONS : WATER, SEWAGE AND INDUSTRIAL
WASTE TREATMENT; MICROBIOLOGY; CHEMISTRY.

EXPERIENCE : LABORATORY TECHNICIAN, P.M.C.
HEALTH LABORATORY, POONA, 1960-65; J.S.A., S.S.A. AND
SCIENTIST A, N.E.E.R.I., 1965-86; SCIENTIST B, N.E.E.R.I. SINCE
FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MARATHI, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH.
REPORTS - 24.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 15, APP. RES. - 25, CONSULTANCY - 19, TESTING - 7, QUALITY
CONTROL - 5, ADMINISTRATION - 1.

6688

SHRI D N KULKARNI; (B. JANUARY 29, 1939),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '61.

SPECIALIZATIONS : WATER TREATMENT; WATER CHEM-
ISTRY.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A,
N.E.E.R.I., 1961-84; SCIENTIST B, N.E.E.R.I. SINCE JULY, 1984.

PRESENT ACTIVITIES : EIA STUDIES ON WATER EN-
VIRONMENTAL AROUND OIL REFINERIES, AND CHROMIUM
REMOVAL FROM CHROMATIC MINE DISCHARGE; WATER
MISSION TRAINING PROGRAMME AND PARTICIPATION.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 48, TECH.
REPORTS - 26, PATENTS TAKEN - 5, PROCESSES DEVELOPED
- 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES.,
TESTING, QUALITY CONTROL, PILOT PLANT, EXTENSION
ETC. - (TOTAL : 30 YRS).

6689

**SUDHAKAR LAXMAN LUTADE; (B. AUGUST 10,
1943),**

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '85; A.I.C. CHEMISTRY
- INSTITUTION OF CHEMISTS (INDIA) '78.

SPECIALIZATIONS : ENVIRONMENTAL CHEMISTRY;
WATER AND WASTE WATER ANALYSIS AND TREATMENT.

EXPERIENCE : ASSISTANT TEACHER, HINDU GIRLS HIGH
SCHOOL, NAGPUR, 1968-73; J.L.A., S.L.A., S.S.A. AND SCIEN-
TIST A, N.E.E.R.I., 1973-85; SCIENTIST B, N.E.E.R.I. SINCE JANU-
ARY, 1985.

PRESENT ACTIVITIES : R & D, CONSULTANCY AND TEST-
ING.

LANGUAGES : MARATHI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH.
REPORTS - 10, PROCESS DEVELOPMENT - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RE-
SEARCH - 3, APPLIED RESEARCH - 17, TESTING - 2, PILOT
PLANT - 2, CONSULTANCY - 2, TEACHING - 5.

6690

SHRI U MANIVEL; (B. JUNE 9, 1949),

SCIENTIST B, NEERI ZONAL LABORATORY, MADRAS (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : M.SC. CHEMISTRY - MADRAS '74.**SPECIALIZATIONS :** ENVIRONMENTAL CHEMISTRY; WASTE WATER TREATMENT AND DISPOSAL.**EXPERIENCE :** S.L.A., C.L.R.I., MADRAS, 1976-80; S.S.A., N.E.E.R.I., 1980-83; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1983.**PRESENT ACTIVITIES :** WASTE WATER TREATMENT AND EIA STUDIES.**LANGUAGES :** TAMIL, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 6, TECH. REPORTS - 7.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RESEARCH - 2, APP. RES. - 2, CONSULTANCY - 6.

6691

SHRI RAO P MURAHARI; (B. MARCH 31, 1939),

SCIENTIST B, NEERI ZONAL LABORATORY, HYDERABAD (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - ANDHRA '58; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '71.**SPECIALIZATIONS :** ENVIRONMENTAL CHEMISTRY.**EXPERIENCE :** FRUIT ASSTT., CASHEW NUT RESEARCH STATION, BAPATIA (A.P.), 1959-63; S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1964-82; (ALSO ADVANCED TRAINING, UNDER W.H.O., ON ANAEROBIC TREATMENT OF HIGH ORGANIC WASTE WATER, U.S.A., 1985); SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1982.**PRESENT ACTIVITIES :** WATER AND WASTE WATER TREATMENT.**LANGUAGES :** TELUGU, ENGLISH, HINDI.**VISITED :** U.S.A.**PUBLICATIONS & PATENTS :** RES. PAPERS - 25, TECH. REPORTS - 25.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES., TECHNICAL DEV., PILOT PLANT, CONSULTANCY, TESTING - (TOTAL : 27 YEARS).

6692

SHRI V S NARAINASWAMI; (B. OCTOBER 28, 1950),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : M.SC. CHEMISTRY - I.I.T., BOMBAY '80.**SPECIALIZATIONS :** ENVIRONMENTAL CHEMISTRY; ENVIRONMENTAL POLLUTION ANALYSIS; WATER CHEMISTRY; MODERN METHODS OF CHEMICAL ANALYSIS.**EXPERIENCE :** J.S.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1971-86; SCIENTIST B, N.E.E.R.I., COCHIN SINCE JANUARY, 1986.**PRESENT ACTIVITIES :** BASIC & APPLIED RESEARCH IN ENVIRONMENTAL CHEMISTRY.**LANGUAGES :** MALAYALAM, ENGLISH, HINDI, TAMIL, MARATHI.**PUBLICATIONS & PATENTS :** RES. PAPERS - 2, TECH. REPORTS - 6.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 20, APP. RES. - 20.

6693

SHRI RAJENDRA SINGH OLANIYA; (B. FEBRUARY 26, 1964),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - NAGPUR 85.**SPECIALIZATIONS :** CHEMICAL ENGINEERING; RISK ANALYSIS OF CHEMICAL PROCESS INDUSTRIES; ENVIRONMENTAL ENGINEERING; REMOTE SERVING THROUGH DIGITAL IMAGE PROCESSING.**EXPERIENCE :** J.R.F. AND S.R.F., N.E.E.R.I., 1987-90; SCIENTIST B, N.E.E.R.I. SINCE DECEMBER, 1990.**PRESENT ACTIVITIES :** HAZARDOUS STUDIES & RISK ANALYSIS OF CHEMICAL PROCESS INDUSTRIES**LANGUAGES :** HINDI, ENGLISH, MARATHI.**PUBLICATIONS & PATENTS :** RES. PAPERS - 1, TECH. REPORTS - 7.**AWARDS & DISTINCTIONS :** NEERI FOUNDATION DAY AWARD FOR R & D EXCELLENCE,**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 3, CONSULTANCY - 3, COMPUTER PROCESSING - 3.

6694

SHRI S K PATHAK; (B. JANUARY 2, 1946),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - BHAGALPUR '67; DIPLOMA IN CIVIL ENGINEERING - BIHAR '70.**SPECIALIZATIONS :** PREVENTIVE MAINTENANCE OF WATER DISTRIBUTION SYSTEM; PREVENTIONS OF WATER LOSSES; HYDRAULIC CARRYING CAPACITY IMPROVEMENT; USE OF LEAK NOISE CORRELATOR ULTRASONIC FLOW METER.**EXPERIENCE :** J.L.A., S.L.A., J.S.A., S.T.A. AND SCIENTIST A, N.E.E.R.I., 1971-87; SCIENTIST B, N.E.E.R.I. SINCE JANUARY, 1987.**PRESENT ACTIVITIES :** PREVENTIVE MAINTENANCE OF WATER DISTRIBUTION SYSTEM IMPROVEMENT OF CARRYING CAPACITY BY CLEANING OF WATER MAIN AND USE OF LNC ULTRASONIC FLOW METER.**PUBLICATIONS & PATENTS :** RES. PAPERS - 8, TECH. REPORTS - 16, SCIENTIFIC BOOKS - 1, POPULAR SCIENCE PAPERS - 1.**AWARDS & DISTINCTIONS :** BEST PAPER AWARD, I W W A 1980; BEST PAPER AWARD, INSTITUTION OF ENGINEERS (INDIA), 1983.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, CONSULTANCY - 15, MAINTENANCE - 20, TEACHING - 8, TECHNOLOGY TRANSFER - 15.

6695

SHRI M P PATIL; (B. APRIL 14, 1968),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - KASHMIR '90.

SPECIALIZATIONS : CHEMICAL ENGINEERING; ENVIRONMENTAL ENGINEERING; SEPARATION PROCESSES; BIOGAS TECHNOLOGY.

EXPERIENCE : SCIENTIST B, N.E.E.R.I SINCE OCTOBER, 1990.

PRESENT ACTIVITIES : R & D INVOLVING LABORATORY & FIELD STUDIES.

LANGUAGES : MARATHI, HINDI, ENGLISH.

6696

MRS MADHAVEE MUKUND PATIL; (B. NOVEMBER 9, 1945),

SCIENTIST B, NEERI ZONAL LABORATORY, BOMBAY (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - NAGPUR '65; M.SC. BOTANY - NAGPUR '67.

SPECIALIZATIONS : INDUSTRIAL POLLUTION; WATER AND WASTE WATER ANALYSIS; BIOASSAY OF INDUSTRIAL WASTE WATER; BACTERIOLOGICAL AND BIOLOGICAL ANALYSIS OF FRESH WATER AND MARINE PLANKTONS; TERRESTRIAL ECOLOGY.

EXPERIENCE : J.R.F., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1967-81; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1981.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL POLLUTION (WATER, SEWAGE AND INDUSTRIAL WASTE) AND BIOLOGICAL ENVIRONMENT UNDER ENVIRONMENTAL IMPACT ANALYSIS.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 22, SURVEY OF NAT. RESOURCES - 4, TECHNO-ECONOMIC SURVEYS - 2.

6697

MRS S A PATKIE; (B. AUGUST 8, 1940),

SCIENTIST B, NEERI ZONAL LABORATORY, BOMBAY (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - OSMANIA '61; A.I.C. WATER & SEWAGE, SOIL & FERTILIZER - INSTITUTION OF CHEMISTS (INDIA) '77.

SPECIALIZATIONS : WATER AND WASTE WATER ANALYSIS; INDUSTRIAL WASTE ANALYSIS.

EXPERIENCE : J.L.A., S.L.A., J.S.A. AND S.S.A., N.E.E.R.I., 1966-85; SCIENTIST A, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN WATER AND WASTE WATER.

LANGUAGES : MARATHI, HINDI, TELUGU, BENGALI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, APP. RES. - 20, PILOT PLANT - 20, CONSULTANCY - 8, SURVEY OF NAT. RESOURCES - 1, TECHNO-ECONOMIC SURVEYS - 2.

6698

SHRI P M PATNI; (B. OCTOBER 16, 1951),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '72; M.SC. CHEMISTRY - NAGPUR '74.

SPECIALIZATIONS : POLYMER CHEMISTRY; WATER TREATMENT; ENVIRONMENTAL IMPACT ASSESSMENT.

EXPERIENCE : J.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1974-86; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : WATER QUALITY ASSESSMENT.

LANGUAGES : HINDI, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, ARTICLES - 1, PAPERS PRESENTED - 4, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 3, TECHNICAL DEVELOPMENT - 2, TESTING - 2, QUALITY CONTROL - 1.

6699

SHRI W N PAUNIKAR; (B. OCTOBER 9, 1955),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '78; M.SC. ZOOLOGY - NAGPUR '80; D.B.M. - NAGPUR '80.

SPECIALIZATIONS : ZOOLOGY; ENVIRONMENTAL VIROLOGY.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1981-86; SCIENTIST B, N.E.E.R.I. SINCE JUNE, 1986.

PRESENT ACTIVITIES : RESEARCH IN ENVIRONMENTAL VIROLOGY.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9.

6700

SHRI R P PILLEWAN; (B. JUNE 19, 1950),

TECHNICAL OFFICER (B), NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - MAHARASHTRA STATE BOARD OF TECH. EDUCATION '71.

SPECIALIZATIONS : PREVENTIVE MAINTENANCE OF WATER DISTRIBUTION SYSTEM.

EXPERIENCE : JR. ENGINEER, ENVIRONMENTAL ENGG. DIVISION NAGPUR, 1972-77; J.T.A., S.T.A. AND TECHNICAL OFFICER (A), N.E.E.R.I., 1977-90; TECHNICAL OFFICER (B), N.E.E.R.I. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D ON WATER DISTRIBUTION SYSTEM.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 15, SCIENTIFIC BOOKS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 6, OPERATION - 6, MAINTENANCE - 6, R & D MANAGEMENT - 14.

6701

MISS PADMA SURYANARAYAN RAO; (B. JANUARY 19, 1967),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGG. - NAGPUR '88.

SPECIALIZATIONS : AIR POLLUTION ENGINEERING; CHEMICAL ENGINEERING; PETROLEUM REFINING PROCESS.

EXPERIENCE : J.R.F., N.E.E.R.I. 1989-89; ENGINEER (TECHNICAL), H P C LTD, BOMBAY, 1989-90; SCIENTIST B, N.E.E.R.I. SINCE MAY, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH IN AIR POLLUTION ENGINEERING.

LANGUAGES : TELUGU, ENGLISH, HINDI, MARATHI, TAMIL.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 1, TECHNICAL DEV. - 1.

6702

SHRI R RAVINDAR RAO; (B. MARCH 2, 1952),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - J.N.T.U. '76.

SPECIALIZATIONS : CHEMICAL ENGINEERING; ENVIRONMENTAL ENGINEERING.

EXPERIENCE : J.R.F. AND S.R.F., KARIM NAGAR PROJECT (CSIR), KARIM NAGAR (A.P.), 1976-81; S.S.A. AND SCIENTIST A, N.E.E.R.I., 1981-84; SCIENTIST B, N.E.E.R.I. SINCE MARCH, 1984.

PRESENT ACTIVITIES : RESEARCH AND DEVELOPMENT IN ENVIRONMENTAL ENGINEERING WITH SPECIAL REFERENCE TO WATER SUPPLY AND TREATMENT.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES - 7, OPERATION - 6, MAINTENANCE - 6, PRODUCTION - 2.

6703

SHRI RAMMOHAN I RAO; (B. FEBRUARY 12, 1950),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

6704

SHRI T V SUBBA RAO; (B. NOVEMBER 22, 1945),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - ANDHRA '63; M.SC. MARINE BIOLOGY - ANNAMALAI '66.

SPECIALIZATIONS : ENVIRONMENTAL VIROLOGY; ENVIRONMENTAL BIOLOGY.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1972-86; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN ENVIRONMENTAL VIROLOGY.

LANGUAGES : TELUGU, HINDI, TAMIL, MARATHI, BENGALI.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 3, APPLIED RESEARCH - 10, TESTING - 6.

6705

DR R D SAHU; (B. AUGUST 3, 1946),

SCIENTIST B, NEERI ZONAL LABORATORY, JAIPUR (NATIONAL ENVIRONMENT ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - SAUGAR '66; M.SC. CHEMISTRY - SAUGAR '68; PH.D. PHYSICAL CHEMISTRY - SAUGAR '72.

SPECIALIZATIONS : PHYSICAL CHEMISTRY; POLAROGRAPHIC & VOLTAMETRIC TECHNIQUES OF ANALYSIS; WATER POLLUTION; NUCLEAR AND RADIATION CHEMISTRY.

EXPERIENCE : LECTURER, LAHIRI DEGREE COLLEGE, CHIRIMIRI, GOVT. COLLEGE, PIPARIYA AND MGM COLLEGE, ITARSI, 1972-75; POST DOCTORAL FELLOW AND S.S.A., N.E.E.R.I., 1976-81; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1981.

PRESENT ACTIVITIES : RESEARCH IN WATER POLLUTION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 8.

AWARDS & DISTINCTIONS : FELLOW, INDIAN CHEMICAL SOCIETY, 1977.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 14, TESTING - 14, QUALITY CONTROL - 2, TEACHING - 5.

6706

DR(MRS) S SANDHYA; (B. OCTOBER 6, 1956),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. NAGPUR '76; M.SC. MICROBIOL-
OGY - NAGPUR '78; PH.D. MICROBIOLOGY - NAGPUR '87.

SPECIALIZATIONS : FERMENTATION TECHNOLOGY; EN-
VIRONMENTAL MONITORING; ENVIRONMENTAL BIOTECH-
NOLOGY.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I.,
1979-86; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH IN ENVIRONMENTAL
BIOTECHNOLOGY.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH.
REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC
RES., APP. RES, TECH. DEV., CONSULTANCY, TESTING, QUAL-
ITY CONTROL, PRODUCTION, TEACHING, EDITING, COM-
PUTER PROCESSING (TOTAL : 9 YRS).

6707

SHRI P R SARODE; (B. SEPTEMBER 11, 1953),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '74; M.SC. ZOOLOGY -
NAGPUR '77.

SPECIALIZATIONS : ICHTHYOLOGY; HIS-
TOPATHOLOGY; PARASITOLOGY.

EXPERIENCE : TECH. SUPERVISOR, CENTRAL RESEARCH
INST., KASAULI, 1977; TECH. ASST., EXPLORATORY FISH-
ERIES PROJECT, KANDLA HARBOUR (KUTCH), 1977-78; IN-
FORMATION ASST., J.S.A., S.S.A. AND SCIENTIST A,
N.E.E.R.I., 1978-86; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY,
1986.

PRESENT ACTIVITIES : EXTENSION AND EVALUATION
STUDIES IN THE AREA OF RURAL SANITATION.

LANGUAGES : MARATHI, SANSKRIT, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH.
REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES.
(EXTENSION) (TOTAL : 12 YEARS).

6708

SHRI L SHANTIKUMAR; (B. MARCH 6, 1939),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE, NAGPUR.

6709

**SHRI LAXMI NARAIN SHARMA; (B. OCTOBER
1, 1935),**

SCIENTIST B, NEERI ZONAL LABORATORY, DELHI (NA-
TIONAL ENVIRONMENTAL ENGINEERING RESEARCH
INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - AGRA '57.

SPECIALIZATIONS : WATER, SEWAGE AND INDUSTRIAL
WASTE ANALYSIS.

EXPERIENCE : ASSISTANT TEACHER, HIGHER SECON-
DARY SCHOOL, KALAUNDA, BULANDSHAHR, U.P., 1957-58;
CHEMIST, MUNICIPAL CORPORATION OF DELHI, 1958-59;
S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., 1959-79;
(ALSO ATTENDED SHORT- TERM COURSE ON WATER POLLU-
TION MONITORING AND MANAGEMENT, THE NETHER-
LANDS, 1981); SCIENTIST B, N.E.E.R.I. SINCE JULY, 1979.

PRESENT ACTIVITIES : ANALYSIS OF WATER, SEWAGE
AND INDUSTRIAL WASTES; MONITORING AMBIENT AIR
QUALITY IN DELHI.

LANGUAGES : HINDI, ENGLISH, RUSSIAN, FRENCH.

VISITED : THE NETHERLANDS, ENGLAND, W. GERMANY,
SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
30, TESTING - 30, TEACHING - 1.

6710

SHRI R S SHARMA; (B. JULY 20, 1937),

TRANSLATION OFFICER (B), NATIONAL ENVIRONMENTAL
ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.A. - AGRA '60; M.A. PSYCHOLOGY -
AGRA '65; B. JOURNALISM - NAGPUR '82; TRANSLATION
TRAINING CERTIFICATE - CENTRAL TRANSLATION BU-
REAU, (MIN. OF HOME AFFAIRS) '81.

SPECIALIZATIONS : SCIENTIFIC & TECHNICAL TRANSLA-
TION AND INTERPRETATION; SCIENCE JOURNALISM; PUB-
LIC RELATIONS.

EXPERIENCE : TECH. ASST. AND RES. ASST., F.R.I. & C.,
DEHRADUN, 1956-71; HINDI TRANSLATOR, I.C.A.R., NEW
DELHI, 1971-73; SR. TRANSLATION ASST. AND TRANSLA-
TION OFFICER (A), N.E.E.R.I., 1973-83; TRANSLATION OFFICER
(B), N.E.E.R.I. SINCE DECEMBER, 1983.

PRESENT ACTIVITIES : SCIENCE WRITING, EDITING AND
TRANSLATION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 8 (HINDI),
SCIENTIFIC BOOKS - 2, ARTICLES - 60 (HINDI).

PROFESSIONAL EXPERIENCE(IN YEARS) : SCIENCE
EDITING - 19.

6711

SHRI V P SHARMA; (B. JANUARY 24, 1937),

SCIENTIST B, NEERI ZONAL LABORATORY, KANPUR (NA-
TIONAL ENVIRONMENTAL ENGINEERING RESEARCH
INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - AGRA '58; A.I.C. CHEMISTRY -
INSTITUTION OF CHEMISTS (INDIA) '67.

SPECIALIZATIONS : PERFORMANCE EVALUATION OF
WATER WORKS; AIR QUALITY MONITORING; RIVER SUR-
VEY.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A,
N.E.E.R.I., 1961-81; (ALSO VISITED U.K., UNDER W.H.O. PRO-
GRAMME, TO STUDY MODERN TRENDS IN EVALUATION OF
ATMOSPHERIC QUALITY IN HIGHLY INDUSTRIALISED UR-

BAN AREAS, 1980); SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1981.

PRESENT ACTIVITIES : SURVEY OF NATURAL RESOURCES AND PERFORMANCE EVALUATION OF WATER TREATMENT PLANTS.

LANGUAGES : HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 20, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 30, PILOT PLANT - 3, CONSULTANCY - 5, TESTING - 30, SURVEY OF NATURAL RESOURCES - 6.

6712

MRS S NIRMAL SINNARKAR; (B. JULY 13, 1952),
LIBRARY OFFICER (B), NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. HOME SCIENCE - NAGPUR '70; B.LIB.SC. - NAGPUR '71; M.LIB.SC. - NAGPUR '90.

SPECIALIZATIONS : LIBRARY SCIENCE; DOCUMENTATION; INFORMATION DISSEMINATION.

EXPERIENCE : ASSISTANT LIBRARIAN, M.S. DIRECTORATE OF ARTS, CHITRAKALA MAHAVIDYALAYA, NAGPUR, 1973; L.I.T., NAGPUR, 1973-74; J.T.A., S.T.A. AND LIBRARY OFFICER (A), N.E.E.R.I., 1974-86; LIBRARY OFFICER (B), N.E.E.R.I. SINCE MARCH, 1986.

PRESENT ACTIVITIES : LIBRARY ORGANISATION AND DOCUMENTATION, INFORMATION CONSOLIDATION; COMPILATION OF BIBLIOGRAPHICAL REVIEWS.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 1, DIRECTORY COMPILATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : LIBRARY AND DOCUMENTATION - 18.

6713

SHRI ATUL MADHAV SOMAN; (B. MAY 10, 1964),
SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. MASS TRANSFER - NAGPUR '85; M.CHEM. ENGG. MASS TRANSFER - BOMBAY '88.

SPECIALIZATIONS : MASS TRANSFER; NON NEWTONIAN TECHNOLOGY; CHEMICAL REACTION ENGINEERING; HAZARD STUDY AND RISK ASSESSMENT.

EXPERIENCE : J.R.F. AND S.R.F., N.E.E.R.I., 1988-90; SCIENTIST B, N.E.E.R.I., SINCE DECEMBER, 1990.

PRESENT ACTIVITIES : HAZARD STUDY AND RISK ASSESSMENT; TERTIARY OIL RECOVERY.

LANGUAGES : MARATHI, ENGLISH, HINDI, SANSKRIT, URDU.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 3, APPLIED RESEARCH - 2.

6714

SHRI SUBHASH SHANKAR TIPNIS; (B. OCTOBER 7, 1940),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - BOMBAY '62; A.I.C. CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '76.

SPECIALIZATIONS : CHEMICAL ANALYSIS OF WATER AND WASTE WATER.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.E.E.R.I., BOMBAY, 1964-85; SCIENTIST B, N.E.E.R.I., BOMBAY SINCE JANUARY, 1985.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 16.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RES. - 26, TESTING - 26, SURVEY OF NAT. RESOURCES - 15, TECHNO ECONOMIC SURVEYS - 4, PILOT PLANT - 1, R & D - MANAGEMENT - 6.

6715

DR(MRS) NALINI TRIPATHI; (B. DECEMBER 12, 1961),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - POONA '82; M.SC. ORGANIC CHEMISTRY - ROORKEE '84; PH.D. APPLIED CHEMISTRY - ROORKEE '88.

SPECIALIZATIONS : ORGANIC CHEMISTRY; PHYSICAL CHEMISTRY; ENVIRONMENTAL IMPACT ASSESSMENT; ENVIRONMENTAL MONITORING.

EXPERIENCE : SCIENTIST FELLOW, N.E.E.R.I., 1989; SCIENTIST B, N.E.E.R.I. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : BASIC RESEARCH ON ENVIRONMENTAL IMPACT.

LANGUAGES : HINDI, ENGLISH, FRENCH, MARATHI.

PUBLICATIONS & PATENTS : RES. REPORTS - 4, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 5, APPLIED RESEARCH - 2, TEACHING - 2, TECHNO-ECONOMIC SURVEY - 1 1/2.

6716

SHRI A N VAIDYA; (B. DECEMBER 4, 1964),

SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGG. - NAGPUR '85; M.TECH. CHEMICAL ENGG. - I.I.T., BOMBAY '87.

SPECIALIZATIONS : CHEMICAL ENGINEERING; ENVIRONMENTAL ENGINEERING.

EXPERIENCE : S.R.F., N.E.E.R.I., 1987-90; SCIENTIST B, N.E.E.R.I. SINCE MARCH, 1990.

PRESENT ACTIVITIES : DEVELOPMENT OF WATER AND WASTE WATER TECHNIQUES.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 4, PROCESSES DEVELOPMENT - 3, PROCESSES UNDER UTILISATION - 1.

TOTAL PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 3, DESIGN - 3, TECHNICAL DEV. - 2, CONSULTANCY - 3.

6717

SHRI S D WACHASUNDER; (B. AUGUST 14, 1944),
SCIENTIST B, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '65; M.SC. PHYSICS - NAGPUR '68.

SPECIALIZATIONS : ELECTRONICS; MICROPROCESSOR CONTROLLED INSTRUMENTATION.

EXPERIENCE : LECTURER, DR. AMBEDKAR COLLEGE AND INSTITUTE OF SCIENCE, NAGPUR, 1969-71; J.R.F., S.L.A., J.S.A. AND SCIENTIST A, N.E.E.R.I., 1973-86; SCIENTIST B, N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D, REPAIR, MAINTENANCE, INSTALLATION AND FABRICATION OF ANALYTICAL INSTRUMENTS.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH. REPORTS - 1, PATENTS TAKEN - 1, PATENTS FILED - 1, EIA STUDY REP - 13.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 4, OPERATION - 10, TESTING - 14, MAINTENANCE - 14, TEACHING - 8, REPAIRING - 14.

6718

MISS GRACY AMTO; (B. JANUARY 15, 1949),
SCIENTIST A, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : M.SC. CHEMISTRY - KERALA '72.

SPECIALIZATIONS : ENVIRONMENTAL STUDIES; AIR AND WATER POLLUTION.

EXPERIENCE : RESEARCH ASSOCIATE, KERALA AGRICULTURE UNIV., TRICHUR, 1974-78; J.S.A. AND S.S.A., N.E.E.R.I., 1978-87; SCIENTIST A, N.E.E.R.I. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : BASIC AND APPLIED RESEARCH.

LANGUAGES : MALAYALAM, HINDI, ENGLISH, TAMIL.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 13, APP. RES. - 13.

6719

SHRI D G DESHPANDE; (B. SEPTEMBER 24, 1941),

TECHNICAL OFFICER (A), NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : DRAUGHTSMAN (MECH) MACHINE DESIGN - GOVT OF INDIA '1959; DRAUGHTSMAN CIVIL ENGG. - GOVT OF INDIA '1970; G.D. ARCH. - TECH. EDUCATION BOARD, MAHARASHTRA '76; D.I.M INDUSTRIAL MANAGEMENT - NAGPUR '1981; A.I.I.A. ARCHITECT - INSTITUTE OF ARCHITECTS '85.

SPECIALIZATIONS : ARCHITECTURE; ENVIRONMENTAL ENGINEERING; MECHANICAL ENGINEERING; DESIGN, DRAWING AND DRAFTING OF ENVIRONMENT MANAGEMENT PROJECTS.

EXPERIENCE : APPRENTICE D/MAN, R.B.B.A. MILLS HINGANGHAT, 1959-60; TRACER, JR. D/MAN, C.P.H.E.R.I. AND DRAUGHTSMAN AND S.T.A., N.E.E.R.I., 1960-81; TECHNICAL OFFICER (A), N.E.E.R.I. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : DESIGN AND TECHNICAL DEVELOPMENT.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 5, DESIGN - 33.

6720

SHRI H V GARDE; (B. AUG 24, 1935),
SCIENTIST A, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

6721

SHRI S H MOLLA; (B. AUGUST 12, 1942),
SCIENTIST A, NEERI ZONAL LABORATORY, CALCUTTA (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR).

QUALIFICATIONS : B.SC. - CALCUTTA '63; A.I.C. WATER SEWAGE & BIOCHEMICAL ANALYSIS - INSTITUTION OF CHEMIST (INDIA) '67.

SPECIALIZATIONS : WATER POLLUTION STUDIES; EVALUATION OF WATER TREATMENT PLANT; WASTE WATER TREATMENT; ENVIRONMENTAL IMPACT ANALYSIS.

EXPERIENCE : J.S.A., ALL INDIA INSTITUTE OF HYGIENE & PUBLIC HEALTH, CALCUTTA, 1963-72; S.L.A., J.S.A. AND S.S.A., N.E.E.R.I., 1973-85; SCIENTIST A, N.E.E.R.I. SINCE FEBRUARY, 1985.

PRESENT ACTIVITIES : R & D ON WATER POLLUTION AND WASTE WATER TREATMENT.

LANGUAGES : BENGALI, HINDI, URDU, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 16, PILOT PLANT - 3, CONSULTANCY - 2, TESTING - 8, PLANNING - 3.

6722

SHRI G G PARDHI; (B. SEPTEMBER 24, 1937),
SCIENTIST A, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NAGPUR.

6723

SHRI D Y RATNAPARKHI; (B. JANUARY 6, 1935),
TECHNICAL OFFICER (A), NATIONAL ENVIRONMENTAL EN-
GINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '59.

SPECIALIZATIONS : LOW COST WASTE TREATMENT;
WATER AND WASTE WATER ANALYSIS; INTEGRATED
APPROACH TO RURAL SANITATION; WATER TECHNOLOGY
MISSION.

EXPERIENCE : J.L.A, S.L.A., J.S.A. AND S.S.A., N.E.E.R.I.,
1961-87; TECHNICAL OFFICER (A), N.E.E.R.I. SINCE DECEM-
BER, 1987.

PRESENT ACTIVITIES : BASIC & APPLIED RESEARCH.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH.
REPORTS - 6, ARTICLES - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
- 10, APP. RES. - 10.

6724

SHRI K E ROSARIO; (B. JANUARY 6, 1941),
TECHNICAL OFFICER (A), NATIONAL ENVIRONMENTAL EN-
GINEERING RESEARCH INSTITUTE, NAGPUR.

QUALIFICATIONS : B.SC. - NAGPUR '64.

SPECIALIZATIONS : AIR QUALITY MAINTENANCE AND
ANALYSIS; PREVENTIVE MAINTENANCE OF WATER DISTRI-
BUTION SYSTEMS.

EXPERIENCE : GRADUATE APPRENTICE, S.L.A., J.S.A. AND
S.S.A., N.E.E.R.I., 1966-87; TECHNICAL OFFICER (A), N.E.E.R.I.
SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : APPLIED RESEARCH, AIR QUAL-
ITY MONITORING AND ANALYSIS.

LANGUAGES : ENGLISH, HINDI, MARATHI.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH.
REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. -
25.

**National Aerospace Laboratory,
Bangalore**

6725

DR K KESHAVA NARAYANA RAJU; (B. APRIL 27, 1936),

DIRECTOR, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - MYSORE '58; M.E. AERONAUTICAL - I.I.S.C., BANGALORE '60; PH.D. AERONAUTICAL ENGINEERING - I.I.S.C., BANGALORE '81.

SPECIALIZATIONS : FATIGUE AND FRACTURE MECHANICS OF AIRCRAFT MATERIALS AND AEROSTRUCTURES.

EXPERIENCE : S.T.A., S.S.O. II/SCIENTIST B, SCIENTIST C, SCIENTIST EI, SCIENTIST F, SCIENTIST G AND SCIENTIST H, N.A.L., 1960-94; (ALSO HIGHER TRAINING IN FATIGUE AND FRACTURE OF AIRCRAFT STRUCTURES AND MATERIALS, NASA LANGLEY RESEARCH CENTRE, U S A, 1964-65); DIRECTOR, N.A.L. SINCE MARCH, 1994.

PRESENT ACTIVITIES : R & D IN FATIGUE & FRACTURE OF AIRCRAFT MATERIALS AND STRUCTURES, ADVISOR (MANAGEMENT) TO DIRECTOR, NAL.

LANGUAGES : TELUGU, KANNADA, ENGLISH.

VISITED : U S A, SWEDEN, HOLLAND, U.K., SWITZERLAND, AUSTRALIA, USSR.

PUBLICATIONS & PATENTS : RES. PAPERS - 19, TECH. REPORTS - 7, SCIENTIFIC BOOKS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 10, DESIGN - 5, TECH. DEV. - 10, TESTING - 8, R & D MGMT. - 8, TEACHING - 6.

6726

SHRI M R NARASIMHA SWAMY; (B. MAY 26, 1943),

SCIENTIST F AND HEAD, TECHNICAL SECRETARIATE, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '63; M.E. PROPULSION ENGINEERING - I.I.S.C., BANGALORE '65.

SPECIALIZATIONS : CASCADE FLOW; INTERNAL COMBUSTION ENGINES; GAS TURBINES; R & D MANAGEMENT.

EXPERIENCE : S.R.F., SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L. 1965-90; (ALSO HIGHER TRAINING, UNDER DAAD AND UNESCO, IN HIGH SPEED CASCADE FLOWS, W.GERMANY, 1969-70 AND BELGIUM, 1976); SCIENTIST F, N.A.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : R & D MANAGEMENT.

LANGUAGES : KANNADA, ENGLISH, GERMAN.

VISITED : W. GERMANY, U.K., BELGIUM, SINGAPORE, U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 12.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA).

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN & DEVELOPMENT - 25, TEACHING - 18, CONSULTANCY - 3, R & D MGMT. - 6.

6727

DR K S YAJNIK; (B. MARCH 7, 1936),

SCIENTIST H, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - GUJARAT '57; B.E. MECHANICAL - GUJARAT '58; M.S. MECHANICAL ENGINEERING - UNIVERSITY OF CALIFORNIA, U S A '60; PH.D. MECHANICAL ENGINEERING - UNIVERSITY OF CALIFORNIA, U S A '64.

SPECIALIZATIONS : FLUID MECHANICS AND MATHEMATICAL MODELLING.

EXPERIENCE : TEACHING ASSISTANT, GRADUATE RESEARCH ENGINEER I, II AND ASSISTANT SPECIALIST, UNIVERSITY OF CALIFORNIA, U S A, 1958-64; LECTURER, ASSISTANT PROFESSOR AND ASSOCIATE PROFESSOR, I.I.T., KANPUR, 1964-71; SCIENTIST E, N.A.L., 1971-77; (ALSO VISITING PROFESSOR, I.I.S.C., BANGALORE, 1973-74); SCIENTIST F, N.A.L. 1977-84; SCIENTIST G, N.A.L. 1984-90; SCIENTIST H-1990-PRESENT. HEAD, FLUID MECH. DIV. 1983-88; HEAD AERODYNAMICS DIV. 1978-1980; HEAD, C-MMACS, 1988-PRESENT.

PRESENT ACTIVITIES : R & D AND RESEARCH MANAGEMENT IN FLUID MECHANICS; EXPERIMENTAL AND THEORETICAL INVESTIGATIONS OF VISCOUS FLOW PROBLEMS.

LANGUAGES : GUJARATI, HINDI, ENGLISH, FRENCH, GERMAN, RUSSIAN.

VISITED : U S A, U.S.S.R., CANADA, JAPAN, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 65, TECH. REPORTS - 35.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 25, APP. RES. - 23, DESIGN - 10, TECH. DEV. - 5, CONSULTANCY - 3, R & D MGMT. - 12, TEACHING - 10, ADMN. - 2, DOCUMENTATION - 10, EDITING - 2.

6728

DR BHASKAR RAMCHANDRA PAI; (B. NOVEMBER 27, 1944),

SCIENTIST G, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. MECHANICAL ENGINEERING - I.I.T., MADRAS '65; M.SC. ENGINEERING/D.I.C. THERMAL POWER AND PROCESS ENGINEERING - LONDON, U.K. '66; PH.D. THERMO-FLUIDS - LONDON, U.K. '69.

SPECIALIZATIONS : HEAT TRANSFER AND COMBUSTION; FLUID MECHANICS; ENERGY SYSTEMS.

EXPERIENCE : S.T.A., I.I.T., MADRAS, 1965; RESEARCH ENGINEER, G.E.C., RUGBY, U.K., 1969-71; RESEARCH INVESTIGATOR AND SENIOR RESEARCH INVESTIGATOR, INTERNATIONAL FLAME RESEARCH FOUNDATION, HOLLAND, 1971-75; SCIENTIST EI AND SCIENTIST EII, N.A.L., 1975-85; SCIENTIST F, N.A.L. 1985-90; SCIENTIST G, N.A.L. SINCE APRIL, 1990.

PRESENT ACTIVITIES : RESEARCH AND RESEARCH MANAGEMENT IN AERONAUTICAL PROPULSION AND GAS TURBINES.

LANGUAGES : KONKANI, HINDI, ENGLISH, GERMAN, DUTCH.

VISITED : U.K., HOLLAND, U S A, W. GERMANY, CHINA, CIS, MINSK, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 42, TECH. REPORTS - 25, PATENTS TAKEN - 5, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : ASSOCIATE EDITOR, INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER; COORDINATOR, PROPULSION PANEL OF AERONAUTICAL R & D BOARD, MINISTRY OF DEFENCE; NATIONAL REP, INTERNATIONAL SOCIETY FOR AIR & REATH-

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ING ENGINEERS; ASSOC EDITOR, INTERNATIONAL JOURNAL FOR HEAT AND MASS TRANSFER, 1977; HON SECRETARY, STATE COUNCIL FOR SCIENCE & TECHNOLOGY, KARNATAKA, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 19, BASIC RES. - 4, EDITING - 4, CONSULTANCY - 3.

6729

SHRI B R SOMASHEKAR; (B. AUGUST 13, 1937),
SCIENTIST G, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - MYSORE '58; M.E. AERONAUTICAL - I.I.S.C., BANGALORE '62; PH.D. - MYSORE '86.

SPECIALIZATIONS : AEROSTRUCTURES; AEROVIBRATION; AEROELASTICITY; COMPUTER METHODS.

EXPERIENCE : J.S.O., S.S.O. II/SCIENTIST B, SCIENTIST C, SCIENTIST EI, SCIENTIST EII AND SCIENTIST F, N.A.L., 1962-91; (ALSO HIGHER TRAINING IN VIBRATION TESTING OF AIRCRAFTS, AUSTRALIA, 1964-65 AND SCIENCE-COUNSELLOR, THE INDIAN EMBASSY, BONN, GERMANY, 1988-91); SCIENTIST G AND HEAD, STRUCTURE DIVISION, N.A.L. SINCE SEPTEMBER, 1991.

PRESENT ACTIVITIES : RESEARCH AND RESEARCH MANAGEMENT IN AEROSTRUCTURES.

LANGUAGES : KANNADA, ENGLISH.

VISITED : AUSTRALIA, U.K., U S A, W.GERMANY, ITALY, CHINA, SINGAPORE.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 45.

AWARDS & DISTINCTIONS : BIMAL ROY TRUST AWARD, AERONAUTICAL SOCIETY OF INDIA, 1988; DISTINGUISHED ALUMNI AWARD, I.I.S.C., BANGALORE, 1992.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, DESIGN - 22, R & D MGMT. - 9, PLANNING - 9.

6730

SHRI M N BAPURAO; (B. SEPTEMBER 1, 1935),
SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - MYSORE '58; M.S. ENGINEERING SCIENCE - UNIVERSITY OF NOTREDAME, U S A '70; PH.D. (ENGG.) - I.I.S.C., BANGALORE '87.

SPECIALIZATIONS : ENGINEERING MECHANICS.

EXPERIENCE : TECHNICAL ASSISTANT, BHILAI STEEL PLANT, 1958-61; S.T.A., SCIENTIST A, SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII N.A.L., 1961-92; SCIENTIST EII, N.A.L. SINCE FEBRUARY, 1992.

PRESENT ACTIVITIES : R & D IN AEROSPACE STRUCTURES.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : U S A, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, DESIGN - 11.

6731

DR R B DAMANIA; (B. OCTOBER 11, 1938),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BOMBAY '58; B.E. MECHANICAL - M.S. UNIVERSITY OF BARODA '62; M.E. AERONAUTICAL - I.I.S.C., BANGALORE '64; PH.D. ENGINEERING (AERONAUTICS) - MISSISSIPPI STATE UNIVERSITY, U S A '73.

SPECIALIZATIONS : AIRCRAFT DESIGN; FLIGHT RESEARCH; AIRCRAFT FLIGHT TESTING.

EXPERIENCE : TECHNICAL ASSISTANT, LECTURER, ASSISTANT PROFESSOR AND ASSOCIATE PROFESSOR, I.I.S.C., BANGALORE, 1964-83; (ALSO RESEARCH IN AIRCRAFT DESIGN AND FLIGHT TESTING WITH FOKKERS, HOLLAND, 1968-69 AND WITH LOCKHEED INTERNATIONAL RESEARCH INSTITUTE, U S A, 1981); SCIENTIST EII, N.A.L., 1983-88; SCIENTIST F, N.A.L. SINCE MARCH, 1988.

PRESENT ACTIVITIES : RESEARCH IN FLIGHT TESTING AND AIRCRAFT DESIGN.

LANGUAGES : GUJARATI, ENGLISH.

VISITED : HOLLAND, U S A, GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 1, SCIENTIFIC BOOKS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17, DESIGN - 7, R & D MGMT. - 8, TEACHING - 15.

6732

DR SHIVARAJ S DESAI; (B. MARCH 5, 1943),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - KARNATAK '65; M.E. AERONAUTICAL ENGINEERING - I.I.S.C., BANGALORE, '67; PH.D. AERONAUTICS - UNIVERSITY OF SOUTHAMPTON, U.K. '74.

SPECIALIZATIONS : COMPUTATIONAL FLUID DYNAMICS.

EXPERIENCE : SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1967-89; (ALSO POST-DOCTORAL FELLOWSHIP IN AERONAUTICS, UNIVERSITY OF BOCHUM, W. GERMANY, 1981-82); SCIENTIST F, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : RESEARCH AND DEVELOPMENT IN COMPUTATIONAL FLUID DYNAMICS.

LANGUAGES : KANNADA, HINDI, ENGLISH, GERMAN, POLISH, RUSSIAN.

VISITED : U.K., W. GERMANY, JAPAN, FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 30, CONFERENCE PRESENTATIONS - 15.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE IN RESEARCH, 1987. ALEXANDER VON HUMBOLDT FOUNDATION FELLOWSHIP 1981-82.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, AERODYNAMIC SOFTWARE DEVELOPMENT - 17.

6733

SHRI K S DESIKAN; (B. MAY 6, 1942),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : LICENCIATE IN MECHANICAL ENGINEERING - TAMIL NADU '62; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '64.**SPECIALIZATIONS** : MECHANICAL ENGINEERING DESIGN; CONSTRUCTION OF AEROTEST FACILITIES.**EXPERIENCE** : JUNIOR DRAFTSMAN, J.S.A., S.S.A., SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L. 1962-86; SCIENTIST F, N.A.L. SINCE JUNE, 1991.**PRESENT ACTIVITIES** : DESIGN AND CONSTRUCTION OF AERO TEST FACILITIES.**LANGUAGES** : TAMIL, KANNADA, ENGLISH.**VISITED** : U S A**PUBLICATIONS & PATENTS** : TECH. REPORTS - 13.**PROFESSIONAL EXPERIENCE(IN YEARS)** : DESIGN - 27, CONSTRUCTION - 27, OPERATION - 4.

6734

DR J J ISAAC; (B. MARCH 24, 1947),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(HONS) MECHANICAL ENGINEERING - UNIV. OF CEYLON '68; M.SC. MECHANICAL ENGINEERING - CRANFIELD INSTITUTE OF TECHNOLOGY, U.K. '71; PH.D. MECHANICAL ENGINEERING - CRANFIELD INSTITUTE OF TECHNOLOGY, U.K. '74.**SPECIALIZATIONS** : ENERGY TECHNOLOGY; COMBUSTION; GAS DYNAMICS; HEAT TRANSFER.**EXPERIENCE** : DEMONSTRATOR, UNIVERSITY OF CEYLON, SRI LANKA, 1968-69; RESEARCH ASSISTANT, CRANFIELD INSTITUTE OF TECHNOLOGY, U.K., 1969-74; POOL OFFICER (CSIR), SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1975-88; SCIENTIST F, N.A.L. SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES** : R & D IN ENERGY & COMBUSTION.**LANGUAGES** : MALAYALAM, TAMIL, ENGLISH.**VISITED** : U.K.**PUBLICATIONS & PATENTS** : RES. PAPERS - 15, TECH. REPORTS - 10.**AWARDS & DISTINCTIONS** : SOCIETY OF BRITISH AEROSPACE COMPANIES PRIZE IN AIRCRAFT PROPULSION, CRANFIELD INSTITUTE OF TECHNOLOGY, U K, 1971.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 20, APP. RES. - 20.

6735

DR T S KANNAN; (B. MAY 23, 1942),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '61; M.SC. CHEMISTRY - ROORKEE '64; PH.D. SYNTHETIC & PHYSICAL INORGANIC CHEMISTRY-I.I.T., KANPUR '71.**SPECIALIZATIONS** : MATERIALS SYNTHESIS AND CHARACTERISATION; MATERIALS SCIENCE; COORDINATION AND ORGANOMETALLIC CHEMISTRY; SYNTHETIC INORGANIC CHEMISTRY.**EXPERIENCE** : SCIENTIST B AND SCIENTIST C, N.A.L., 1971-83; (ALSO TRAINING IN HIGH PRESSURE SYNTHESIS OF MATERIALS, FRANCE, 1976-77); SCIENTIST EI AND SCIENTIST EII, N.A.L., 1983-92; (ALSO RESEARCH ON SYNTHESIS & CHARACTERISATION OF CERAMIC FIBER-CERAMIC MATRIX COMPOSITES, INSA DE LYON, FRANCE 1986-87); SCIENTIST F, N.A.L. SINCE MARCH, 1992.**PRESENT ACTIVITIES** : R & D IN SYNTHESIS & CHARACTERISATION OF ENGG. CERAMIC MATERIALS STRUCTURAL CERAMIC COMPONENTS DEVELOPMENT FOR AEROSPACE APPLICATIONS.**LANGUAGES** : TAMIL, KANNADA, HINDI, ENGLISH, FRENCH.**VISITED** : FRANCE, GERMANY, U S A, U.K.**PUBLICATIONS & PATENTS** : RES. PAPERS - 25, TECH. REPORTS - 3, ARTICLES - 1, PATENTS FILED - 2, PROCESSES DEVELOPED - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 7, APP. RES. - 8, R & D MGMT. - 8, TEACHING - 1.

6736

DR A KRISHNAN; (B. JULY 15, 1938),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. PHYSICS - MADRAS '58; M.SC. PHYSICS - MADRAS '60; PH.D. PHYSICS - MADRAS '75.**SPECIALIZATIONS** : REAL TIME COMPUTER CONTROL; INDUSTRIAL ELECTRONICS; AEROSPACE AND INDUSTRIAL ELECTRONICS; UNCONVENTIONAL MACHINING TECHNIQUES; POWER ELECTRONICS.**EXPERIENCE** : J.R.F., S.T.A., J.T.O./SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1960-82; (ALSO R & D TRAINING IN ANALOG COMPUTATION AND CONTROL, W. GERMANY, 1966-67); SCIENTIST EII, N.A.L. 1982-89; SCIENTIST F, N.A.L. SINCE JANUARY, 1989.**PRESENT ACTIVITIES** : R & D IN FLIGHT CONTROL AND PARALLEL PROCESSING.**LANGUAGES** : TAMIL, HINDI, ENGLISH.**VISITED** : U S A, CANADA, W. GERMANY.**PUBLICATIONS & PATENTS** : RES. PAPERS - 36, TECH. REPORTS - 30.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 24, DESIGN - 24, TECH. DEV. - 24, R & D MGMT. - 16, CONSULTANCY - 3.

6737

DR R V KRISHNAN; (B. JANUARY 3, 1945),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '64; B.E. METALLURGY - I.I.S.C., BANGALORE '67; PH.D. METALLURGY - UNIVERSITY OF BRITISH COLUMBIA, CANADA '71.**SPECIALIZATIONS** : PHYSICAL METALLURGY; FAILURE ANALYSIS; ELECTRON MICROSCOPY.

EXPERIENCE : RESEARCH ASSISTANT, KATHOLIEKE UNIVERSITY, BELGIUM, 1972-73; SCIENTIST C AND SCIENTIST EI, N.A.L., 1974-86; (ALSO HIGHER RESEARCH AT NASA LEWIS RESEARCH CENTER, CLEVELAND, OHIO, U S A, 1982-83); SCIENTIST EII, N.A.L. 1986-86; SCIENTIST F, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN ELECTRON MICROSCOPY.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

VISITED : CANADA, BELGIUM.

PUBLICATIONS & PATENTS : RES. PAPERS - 27, TECH. REPORTS - 50, ARTICLES - 1, PROCESSES DEVELOPED - 1.

AWARDS & DISTINCTIONS : BIREN ROY TRUST AWARD FOR OUTSTANDING CONTRIBUTION IN THE FIELD OF FAILURE ANALYSIS, 1984; 7TH I A E C GOLDEN JUBILEE AWARD FOR OUTSTANDING CONTRIBUTION TO FAILURE ANALYSIS, 1985; FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1987.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 7, TEACHING - 2.

6738

SHRI H SUNDARA MURTHY; (B. OCTOBER 18, 1945),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '66; M.E. AERONAUTICAL - I.I.S.C., BANGALORE '68.

SPECIALIZATIONS : MECHANICAL ENGINEERING; AERODYNAMICS.

EXPERIENCE : SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1 1968-86; (ALSO TRAINING IN ADVANCED EXPERIMENTAL TECHNIQUES IN UNSTEADY AERODYNAMICS AS DAAD FELLOW W. GERMANY, 1984). SCIENTIST F, N.A.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D IN AERODYNAMICS.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : GERMANY, U S A, ENGLAND, U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 31.

AWARDS & DISTINCTIONS : NAL FOUNDATION DAY AWARD FOR OUTSTANDING PERFORMANCE IN DEVELOPMENT & DESIGN, 1987, 1988 AND 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25, DESIGN - 25, TECH. DEV. - 25.

6739

DR M V V MURTHY; (B. MAY 26, 1938),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '60; M.S. ENGINEERING MECHANICS - PENNSYLVANIA STATE UNIVERSITY, U S A '65; PH.D. AERONAUTICAL ENGINEERING - I.I.S.C., BANGALORE '76.

SPECIALIZATIONS : COMPOSITE STRUCTURES; THEORY OF PLATES AND SHELLS; THEORY OF ELASTICITY; COMPUTER-ORIENTED METHODS OF STRUCTURAL ANALYSIS.

EXPERIENCE : S.S.A., S.S.O. II/SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1976-88; (ALSO RE-

SEARCH ASSOCIATE, RESEARCH CENTRE, N.A.S.A. LANGLEY, U S A, 1986) SCIENTIST F, N.A.L. SINCE MARCH, 1988.

PRESENT ACTIVITIES : RESEARCH AND RESEARCH MANAGEMENT.

LANGUAGES : KANNADA, HINDI, ENGLISH, GERMAN.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 17, APP. RES. - 17, DESIGN - 4, TECH. DEV. - 6, R & D MGMT. - 6, ADMN. - 2.

6740

DR K MURUGESAN; (B. MARCH 21, 1944),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MADRAS '65; M.SC. THERMODYNAMICS - BIRMINGHAM, U.K. '66; PH.D. AXIAL COMPRESSORS - BIRMINGHAM, U.K. '70.

SPECIALIZATIONS : TURBOMACHINERY; CASCADE FLOW; AEROSPACE PROPULSION.

EXPERIENCE : ASSISTANT LECTURER, P.S.G. COLLEGE OF TECHNOLOGY, 1965; ASSISTANT DESIGN ENGINEER, BELLISS AND MORCOM MFG. LTD., 1966-67; RESEARCH ASSISTANT, UNIVERSITY OF BIRMINGHAM, U.K., 1967-70; SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1970-88; SCIENTIST F, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : R & D IN TURBOMACHINERY.

LANGUAGES : TAMIL, HINDI, ENGLISH.

VISITED : U S A, U.K., BELGIUM.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 25, PATENTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, BASIC RES. - 3, DESIGN - 2, TECH. DEV. - 2, R & D MGMT. - 2, CONSULTANCY - 1.

6741

DR S NAGABHUSHANA; (B. JAN 1, 1940),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - MYSORE '60; PH.D. PHYSICS - I.I.S.C., BANGALORE '76.

SPECIALIZATIONS : DIGITAL SYSTEMS; POWER ELECTRONICS.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1960-81; (ALSO TRAINING IN WIND TUNNEL SYSTEMS, CANADA, 1964-65); SCIENTIST EII, N.A.L. 1981-81; SCIENTIST F, N.A.L. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : R & D IN DIGITAL SYSTEMS & ACOUSTICS.

LANGUAGES : KANNADA, ENGLISH.

VISITED : CANADA, U S A, GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, DESIGN - 5, TECH. DEV. - 2, R & D MGMT. - 3.

6742

SHRI S PANCHAPAKESAN; (B. FEBRUARY 20, 1940),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - ANNAMALAI '62; M.SC. STATISTICS - ANNAMALAI '64.

SPECIALIZATIONS : COMPUTER SYSTEM SOFTWARE DEVELOPMENT; COMPUTER-AIDED DESIGN; DATA BASE MANAGEMENT; MICROPROCESSORS AND APPLICATIONS.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L. 1965-91; SCIENTIST F, N.A.L. SINCE NOVEMBER, 1991.

PRESENT ACTIVITIES : R & D IN COMPUTER SCIENCE & TEACHING GRADUATE & POST GRADUATE LEVEL COURSES ON C.S.

LANGUAGES : TAMIL, KANNADA, SANSKRIT, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 47, ARTICLES - 10, PROCESSES DEVELOPED.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN & DEVELOPMENT - 26, TEACHING - 8, DATA PROCESSING - 16.

6743

DR A C RAGHURAM; (B. NOVEMBER 8, 1939),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. METALLURGY - I.I.T., MADRAS '64; M.TECH. METALLURGICAL ENGINEERING - I.I.T., BOMBAY '66; PH.D. METALLURGY - BROWN UNIVERSITY, U S A '70.

SPECIALIZATIONS : METALLURGY; FAILURE INVESTIGATION AND ANALYSIS; MATERIALS SCIENCE.

EXPERIENCE : RESEARCH ASSISTANT, BROWN UNIVERSITY, U S A, 1967-68; RESEARCH FELLOW, OAKRIDGE NATIONAL LABORATORY, U S A, 1968; TEACHING ASSISTANT, UNIVERSITY OF MARYLAND, U S A, 1968-70; RESEARCH ENGINEER, UNIVERSITY OF CALIFORNIA, U S A, 1970-72; POOL OFFICER (CSIR), N.A.L., 1972-1973; SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1973-86; SCIENTIST F, N.A.L. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : R & D IN MATERIALS SCIENCE.

LANGUAGES : TELUGU, KANNADA, TAMIL, ENGLISH.

VISITED : U S A, CANADA, U.K., FRANCE, GERMANY, SWEDEN, BELGIUM.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 200, SCIENTIFIC BOOKS - 1, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 25, APP. RES. - 25, DESIGN - 4, TECH. DEV. - 15, CONSULTANCY - 20, R & D MGMT. - 10, TEACHING - 6.

6744

MRS INDIRA RAJAGOPAL; (B. OCTOBER 29, 1938),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '58; C.C.M.R.I.C. ELECTROCHEMISTRY - ROYAL INSTITUTE OF CHEMISTS, U.K. '65; ASSOCIATE - INSTITUTE OF METAL FINISHING, LONDON '73.

SPECIALIZATIONS : METAL FINISHING IN RELATION TO AVIONICS, ELECTRONICS AND SPACE APPLICATIONS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST B, C.E.C.R.I., 1958-70; SCIENTIST B, SCIENTIST C, N.A.L., 1970-71; SCIENTIST EII, N.A.L., 1971; SCIENTIST F, N.A.L. SINCE SEPTEMBER, 1986.

PRESENT ACTIVITIES : R & D IN METAL FINISHING IN RELATION TO AVIONICS, ELECTRONICS AND SPACE APPLICATIONS.

LANGUAGES : TAMIL, SANSKRIT, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 90, TECH. REPORTS - 10, ARTICLES - 15, PATENTS TAKEN - 9, PATENTS FILED - 4, PROCESSES DEVELOPED - 10, PROCESSES UNDER UTILISATION - 4.

AWARDS & DISTINCTIONS : FELLOW, SOCIETY FOR ADVANCEMENT OF ELECTROCHEMICAL SCIENCE TECHNOLOGY (INDIA), 1970; FELLOW, INSTITUTION OF CHEMISTS, (INDIA), 1970; FELLOW, ELECTROCHEMICAL SOCIETY OF INDIA, 1980.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APP. RES. - 17, PILOT PLANT - 1, CONSULTANCY - 3, TECHNOLOGY TRANSFER - 2.

6745

SHRI G RAJENDRA; (B. FEBRUARY 25, 1943),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '64; M.E. AERONAUTICS - I.I.S.C., BANGALORE '66.

SPECIALIZATIONS : AERODYNAMICS; WIND TUNNEL TESTING.

EXPERIENCE : SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1967-89; SCIENTIST F, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : HIGH SPEED WIND TUNNEL TESTING.

LANGUAGES : KANNADA, TAMIL, HINDI, ENGLISH.

VISITED : FRANCE, W. GERMANY, NETHERLANDS, U S A, U.K., RUSSIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 40.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, TECHNICAL DEV. - 10, R & D MGMT. - 15, TESTING - 25, PLANNING - 20.

6746

SHRI S N SESHADRI; (B. FEBRUARY 7, 1943),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - MYSORE '64; M.E. AERODYNAMICS - I.I.S.C., BANGALORE '66; PH.D. AERODYNAMICS - I.I.S.C., BANGALORE '88.

SPECIALIZATIONS : AERODYNAMICS; WIND TUNNEL TESTING; FLUID MECHANICS.

EXPERIENCE : AERONAUTICAL ENGINEER, H.A.L., BANGALORE, 1966-69; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1969-86; (ALSO DAAD FELLOW FOR HIGHER RESEARCH IN AERODYNAMICS, W. GERMANY, 1975-76); SCIENTIST EII, N.A.L., 1986-91; SCIENTIST F, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D IN AERODYNAMICS.

LANGUAGES : KANNADA, TAMIL, ENGLISH, GERMAN.

VISITED : W. GERMANY, U.K., U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 15, OTHERS - 20.

AWARDS & DISTINCTIONS : NAL FOUNDATION DAY AWARD FOR OUTSTANDING PERFORMANCE, 1987-90; DR BIREN ROY TRUST AWARD, 1992.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, DESIGN - 18, DOCUMENTATION 10, W.T. TESTING - 20.

6747

SHRI C G SHAH; (B. APRIL 15, 1942),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - S.V. VIDYAPEETH '63; M.E. AERONAUTICAL - I.I.S.C., BANGALORE '65.

SPECIALIZATIONS : AIRCRAFT STRUCTURES; STRUCTURAL MECHANICS; COMPUTER SOFTWARE DEVELOPMENT; STRESS ANALYSIS; FINITE ELEMENTS AND COMPOSITES.

EXPERIENCE : S.T.A., I.I.S.C., BANGALORE, 1965; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1965-83; (ALSO HIGHER TRAINING, UNDER DAAD EXCHANGE PROGRAMME, W. GERMANY, 1973-74); SCIENTIST EII, N.A.L., 1983-88; SCIENTIST F, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : R & D AND RESEARCH MANAGEMENT IN AEROSPACE STRUCTURES, ANALYSIS/DESIGN.

LANGUAGES : GUJARATI, HINDI, KANNADA, ENGLISH, GERMAN.

VISITED : W. GERMANY, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 26.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, R & D MGMT. - 20, PLANNING - 19, COMPUTER PROCESSING - 24.

6748

DR P N SHANKAR; (B. AUGUST 13, 1944),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - LONDON UNIVERSITY, U.K. '64; PH.D. ENGINEERING SCIENCE - U S A '68.

SPECIALIZATIONS : FLUID MECHANICS; APPLIED MATHEMATICS.

EXPERIENCE : FLUID MECHANICS ENGINEER, G.E. R & D CENTRE, NEW YORK, U S A, 1968-70; VISITING ASSISTANT PROFESSOR, UNIVERSITY OF MARYLAND, U S A, 1970-72; SCIENTIST EI, N.A.L., 1972-83; SCIENTIST EII, N.A.L., 1983-88; SCIENTIST F, N.A.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH IN FLUID DYNAMICS.

LANGUAGES : TAMIL, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - OVER 15, TECH. REPORTS - 15.

AWARDS & DISTINCTIONS : ROBERT KNAPP AWARD OF THE ASME FOR THE BEST PAPER ON FLUID MECHANICS, 1972; FELLOW, INDIAN ACADEMY OF SCIENCES, 1992.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, APP. RES. - 20, TEACHING - 2.

6749

DR A K SINGH; (B. SEPTEMBER 10, 1939),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. PHYSICS - AGRA '60; PH.D. SOLID STATE PHYSICS - I.I.T., MADRAS '66.

SPECIALIZATIONS : HIGH PRESSURE PHYSICS; COMPOSITE MATERIALS; CHARACTERISATION OF MATERIALS BY X-RAY DIFFRACTION; INFRARED MATERIALS.

EXPERIENCE : LECTURER, CHRIST CHURCH COLLEGE, KANPUR, 1960-61; RESEARCH FELLOW, I.I.S.C., BANGALORE, 1961-62; RESEARCH FELLOW, I.I.T., MADRAS, 1962-66; SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1966-87; (ALSO RESEARCH FELLOW, UNIVERSITY OF CALIFORNIA, U S A, 1972-76); SCIENTIST F, N.A.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D AND RESEARCH MANAGEMENT IN MATERIALS MANAGEMENT.

LANGUAGES : HINDI, ENGLISH.

VISITED : JAPAN, U S A, W. GERMANY, SWITZERLAND, HOLLAND, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 70, TECH. REPORTS - 50, ARTICLES - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 27, APP. RES. - 15, CONSULTANCY - 1, R & D MGMT. - 10, TEACHING - 1.

6750

DR U N SINHA; (B. JULY 18, 1947),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - BHAGALPUR '67; PH.D. MECHANICAL ENGINEERING - I.I.T., KANPUR '76.

SPECIALIZATIONS : COMPUTATIONAL FLUID DYNAMICS; TRANSONIC FLOW; KINETIC THEORY OF GASES; PARALLEL COMPUTING.

EXPERIENCE : SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L. 1972-88; SCIENTIST F, N.A.L. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : R & D IN PARALLEL COMPUTING.

LANGUAGES : HINDI, ENGLISH.

VISITED : CHINA, GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 15.

AWARDS & DISTINCTIONS : FELLOW, INDIAN NATIONAL ACADEMY OF ENGINEERING; FOUNDER MEMBER, INDIAN ACADEMY FOR MATHEMATICAL MODELLING IN EN-

ENGINEERING & SCIENCES; DISTINGUISHED ALUMNI AWARD, IIT, KANPUR, 1994.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15.

6751

DR S SRINATHKUMAR; (B. DECEMBER 28, 1939),
SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL ENGG. - MYSORE '60; M.S. ELECTRICAL ENGINEERING - UNIVERSITY OF HAWAII, U S A '73; PH.D. ELECTRICAL ENGINEERING - OKLAHOMA STATE UNIVERSITY, U S A '76.

SPECIALIZATIONS : MODERN CONTROL THEORY; FLIGHT MECHANICS/CONTROL; COMPUTER SOFTWARE DEVELOPMENT.

EXPERIENCE : S.S.A., J.S.O./SCIENTIST A, SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L. 1961-88; (ALSO TRAINING IN DESIGN OF WIND TUNNEL CONTROL SYSTEMS, CANADA, 1964-65; RESEARCH IN FLIGHT CONTROL SYSTEMS DESIGN AS N.R.C. RESEARCH ASSOCIATE, N.A.S.A., U S A, 1976-78); SCIENTIST F, N.A.L. SINCE APRIL, 1988; (ALSO RESEARCH IN AIRCRAFT FLIGHT CONTROL AS N.R.C. SENIOR RESEARCH ASSOCIATE, NASA, USA, 1987-89).

PRESENT ACTIVITIES : R & D IN FLIGHT MECHANICS AND FLIGHT CONTROL.

LANGUAGES : KANNADA, ENGLISH.

VISITED : CANADA, U S A, W.GERMANY, U.K., SWEDEN.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 12.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD PRIZE FOR DEVELOPMENT OF ELECTRICAL TRANSDUCERS, 1968; NASA GROUP ACHIEVEMENT AWARD FOR CONTRIBUTION TO ACTIVE CONTROL TECHNOLOGY OF FLEXIBLE FLIGHT VEHICLES, 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 30, TEACHING - 2.

6752

DR R SRINIVASAN; (B. JULY 23, 1938),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. PHYSICS - MADRAS '57; M.SC. PHYSICS - MADRAS '60; M.S. ELECTRICAL ENGINEERING - UNIVERSITY OF HAWAII, U S A '70; D.SC. ELECTRICAL ENGINEERING - WASHINGTON UNIVERSITY, U S A '74.

SPECIALIZATIONS : ELECTRONIC DIGITAL SYSTEMS; DIGITAL COMPUTERS; MICROPROCESSOR BASED SYSTEM DESIGN; PARALLEL PROCESSING; COMPUTER NETWORKS.

EXPERIENCE : DEMONSTRATOR, ST. XAVIER'S COLLEGE, PALAYAMKOTTAI, TAMIL NADU, 1957-58; J.R.F., S.S.A., J.S.O./SCIENTIST A, SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1960-88; (ALSO TRAINING IN SIRIUS DIGITAL COMPUTER, U.K., 1963-64); (ALSO VISITING SCIENTIST, EAST WEST CENTRE, HONOLULU, U S A, 1984-85); SCIENTIST F, N.A.L. SINCE 1987.

PRESENT ACTIVITIES : R & D IN DESIGN OF DIGITAL SYSTEMS; COMPUTER CENTRE MANAGEMENT AND ESTABLISHMENT OF A CAMPUS-WIDE NETWORK; ADVISOR (ADDMN.) TO DIRECTOR, N.A.L.

LANGUAGES : TAMIL, ENGLISH.

VISITED : U.K., U S A, SYRIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 9, PROCESSES DEVELOPED - 1.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD AWARD FOR DEVELOPING AN INDIGENOUS SHAFT-POSITION-ENCODER, 1969; FELLOW, INSTITUTE OF ELECTRONICS & TELECOMMUNICATION ENGINEERS, INDIA.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 33, DESIGN - 33, APP. RES. - 17, R & D MGMT. - 17, MAINTENANCE - 5, INDL. MGMT. - 5, COMPUTER PROCESSING - 15, CONSULTANCY - 4, TEACHING - 12, ADMN. - 7.

6753

SHRI M SHIVAKUMARA SWAMY; (B. MAY 3, 1939),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '60; M.E. AERONAUTICAL - I.I.S.C., BANGALORE '62; PH.D. SCIENCE - BANGALORE '88.

SPECIALIZATIONS : AIRCRAFT AERODYNAMICS; DESIGN AERODYNAMICS; WIND TUNNEL TESTING; AFTERBODY DRAG.

EXPERIENCE : AERO ENGINEER, SENIOR AERO ENGINEER AND PROJECT ENGINEER, H.A.L., 1962-70; SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1970-87; (ALSO CARRIED OUT ADVANCED STUDIES IN AFTERBODY DRAG OF AIRCRAFT AS RESEARCH ASSOCIATE, LOCKHEED INTERNATIONAL RESEARCH INSTITUTE, GEORGIA, U S A, 1981-83); SCIENTIST F, N.A.L. SINCE JULY, 1987.

PRESENT ACTIVITIES : R & D AND RESEARCH MANAGEMENT IN EXPERIMENTAL AERODYNAMICS AND LIGHT TRANSPORT AIRCRAFT DESIGN.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : FRANCE, U.K., U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 21, TECH. REPORTS - 34.

AWARDS & DISTINCTIONS : FELLOW, AERONAUTICAL SOCIETY OF INDIA, 1993.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 13, DESIGN - 8, R & D MGMT. - 5.

6754

DR S K TEWARI; (B. OCTOBER 18, 1945),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - RAJASTHAN '63; B.E. ELECTRICAL - I.I.S.C., BANGALORE '66; M.TECH. MECHANICAL ENGINEERING - I.I.T., KANPUR '68; PH.D. MECHANICAL ENGINEERING - I.I.S.C., BANGALORE '79.

SPECIALIZATIONS : WIND ENERGY.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI AND SCIENTIST EII, N.A.L. 1969-89; SCIENTIST EII, N.A.L., 1986-89; SCIENTIST F, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D IN WIND ENERGY.

LANGUAGES : HINDI, ENGLISH.

VISITED : DENMARK, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 14, PATENTS FILED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, DESIGN - 18, TECH. DEV. - 18.

6755

SHRI K VENKATACHALAM; (B. AUGUST 20, 1936),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '54; B.E. MECHANICAL - MADRAS '58.

SPECIALIZATIONS : PRODUCTION ENGINEERING AND MANAGEMENT; MECHANICAL DESIGN; AIR COMPRESSORS; PRESSURE VESSEL TECHNOLOGY; PROJECT ENGINEERING/PLANT ENGINEERING.

EXPERIENCE : PROBATIONARY ENGINEER, H.A.L., BANGALORE, 1958-59; S.T.A., S.S.O. II/SCIENTIST B, SCIENTIST C, CHIEF MECHANICAL ENGINEER (EI) AND SCIENTIST EII, N.A.L. 1960-89; (ALSO PRACTICAL TRAINING IN COMMISSIONING OF 5600 H.P COMPRESSOR - DRYER SYSTEM, U.K., 1963); SCIENTIST F, N.A.L. SINCE APRIL, 1989.

PRESENT ACTIVITIES : PLANNING, DESIGN, CONSTRUCTION AND INSTALLATION OF RESEARCH/TEST FACILITIES AND EQUIPMENT; TECHNICAL DEVELOPMENT FOR FABRICATION OF AEROSPACE MODELS AND COMPONENTS; CAD & CNC MACHINING; PLANT MAINTENANCE AND ELECTRICAL SERVICES.

LANGUAGES : TAMIL, MALAYALAM, HINDI, KANNADA, ENGLISH, GERMAN.

VISITED : U.K., GERMANY, FRANCE, SWITZERLAND, HOLLAND, BELGIUM, ITALY, U S A, CANADA.

PUBLICATIONS & PATENTS : TECH. REPORTS - 8.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1981; FELLOW, INDIAN INSTITUTION OF PRODUCTION ENGINEERS, 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : ADMN. - 20, PRODN. - 25, CONSTN. - 18, QLT. CONTROL - 22, PLANNING - 22, DESIGN - 22, TECH. DEV. - 18, OPERATION - 6, MAINTENANCE - 20, PRODN. MGMT. - 25.

6756

DR P R VISWANATH; (B. JANUARY 23, 1946),

SCIENTIST F, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '67; M.E. AERODYNAMICS - I.I.S.C., BANGALORE '69; PH.D. AERODYNAMICS - I.I.S.C., BANGALORE '76.

SPECIALIZATIONS : AERODYNAMICS; EXPERIMENTAL TECHNIQUES IN AERODYNAMICS; HIGH SPEED SEPARATED FLOWS; FLOW CONTROL.

EXPERIENCE : POST-DOCTORAL RESEARCH ASSOCIATE, NASA AMES RESEARCH CENTRE, USA, 1977-79; POST-DOCTORAL RESEARCH ASSOCIATE, STANFORD UNIVERSITY, USA, 1980-83; SCIENTIST EI AND SCIENTIST EII, N.A.L., 1983-91; SCIENTIST F, N.A.L., SINCE APRIL, 1991.

PRESENT ACTIVITIES : R & D IN AERODYNAMICS.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

VISITED : U S A, W. GERMANY, FRANCE, U.K., JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 10.

AWARDS & DISTINCTIONS : ASSOCIATE FELLOW, AMERICAN INSTITUTE OF AERONAUTICS & ASTRONAUTICS.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20.

6757

SHRI B S SURYANARAYANA ADIGA; (B. SEPTEMBER 14, 1945),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - MYSORE '68; M.TECH. ELECTRONICS - MYSORE '71.

SPECIALIZATIONS : ELECTRONIC COMMUNICATION; COMPUTER SCIENCE; DIGITAL CIRCUITS.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1971-88; SCIENTIST EII, N.A.L. SINCE OCTOBER, 1988; (ALSO TRAINING IN THE FIELD OF TELEMETRY AND TELECOMMAND, W. GERMANY, 1985-86).

PRESENT ACTIVITIES : R & D IN DIGITAL SIGNAL PROCESSING CODING THEORY AND CRYPTOGRAPHY.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 4, DESIGN-10.

6758

DR SAJEER AHMED; (B. OCTOBER 15, 1950),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '71; M.E. AERONAUTICAL - I.I.S.C. BANGALORE '73; PH.D. AERONAUTICAL - UNIVERSITY OF LONDON, U.K. '82.

SPECIALIZATIONS : EXPERIMENTAL AERODYNAMICS (UNSTEADY AERODYNAMICS AND INTAKE AERODYNAMICS).

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1973-89; (ALSO VISITING SCIENTIST AT NASA AMES RESEARCH CENTRE, USA, 1989); SCIENTIST EII, N.A.L. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : R & D IN EXPERIMENTAL AERODYNAMICS.

LANGUAGES : URDU, HINDI, KANNADA, ENGLISH, ARABIC.

VISITED : U.K., U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TEST REPORTS (OTHERS) - 22.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, R & D MGMT. - 5.

6759

DR C BALASINGH; (B. FEBRUARY 2, 1941),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - KERALA '60; M.SC. PHYSICS - ANNAMALAI '63; PH.D. MECHANICAL ENGINEERING - I.I.S.C. '81.

SPECIALIZATIONS : X-RAY DIFFRACTION; RESIDUAL STRESS ANALYSIS.

EXPERIENCE : J.S.A., C.E.C.R.I., 1963-65; S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1965-90; SCIENTIST EII, N.A.L. SINCE OCTOBER, 1990.

PRESENT ACTIVITIES : R & D IN X-RAYS.

LANGUAGES : TAMIL, MALAYALAM, KANNADA, ENGLISH, GERMAN.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 7, PATENTS TAKEN - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APP. RES. - 8, DESIGN - 2, TESTING - 2.

6760

DR R BALASUBRAMANIAM; (B. MARCH 23, 1943),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.S. STRUCTURAL DYNAMICS - CATHOLIC UNIVERSITY OF AMERICA, U S A '76; PH.D. AERONAUTICS - I.I.S.C., BANGALORE '91.

SPECIALIZATIONS : AIRCRAFT STRUCTURES; DATA ANALYSIS; AEROELASTICITY.

EXPERIENCE : SCIENTIST B, N.A.L. 1972-77; RESEARCH ASSISTANT, DEPARTMENT OF MECHANICAL ENGINEERING, CATHOLIC UNIVERSITY OF AMERICA AND SENIOR RESEARCH FELLOW, N.A.S.A., LANGLEY RESEARCH CENTRE, U S A, 1974-75; SCIENTIST C, AND SCIENTIST EI, N.A.L., 1977-88; SCIENTIST EII, N.A.L. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : R & D IN VIBRATION OF AIRCRAFT AND AEROSPACE STRUCTURES.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH, GERMAN.

VISITED : U S A, CANADA, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 27, TECH. REPORTS - 18, ARTICLES - 8, PROCESSES DEVELOPED - 4.

AWARDS & DISTINCTIONS : DR BIREN ROY AWARD FOR OUTSTANDING CONTRIBUTATIONS IN AERONAUTICS, 1988.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, DESIGN - 2, TEACHING - 3.

6761

DR T S BALASUBRAMANIAN; (B. AUGUST 22, 1950),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AERONAUTICS - I.I.T., MADRAS '72; M.TECH. AEROSTRUCTURES - I.I.T., MADRAS '74; PH.D. AEROSPACE ENGINEERING - I.I.T. MADRAS '88.

SPECIALIZATIONS : DYNAMICS OF HELICOPTERS; STRUCTURAL TESTING; COMPOSITE STRUCTURES; DYNAMIC ANALYSIS - FINITE ELEMENT METHOD; STRESS ANALYSIS; AIRCRAFT DEVELOPMENT - STRUCTURAL ASPECTS.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1974-89; SCIENTIST EII, N.A.L. SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES : CO-ORDINATION OF STRUCTURAL ASPECTS (STRUCTURAL ANALYSIS, DESIGN, TESTING AND CERTIFICATION) OF NALLA & LTA (NAL AIRCRAFT PROGRAMMES).

LANGUAGES : TAMIL, KANNADA, TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 47.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 9, TESTING - 5.

6762

DR RAJENDRA KUMAR BERA; (B. NOVEMBER 27, 1945),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B. TECH. AERONAUTICAL ENGINEERING - I.I.T., KANPUR '67; M. TECH. AERONAUTICAL ENGINEERING - I.I.T., KANPUR '69; PH.D. AERONAUTICAL ENGINEERING - I.I.T., KANPUR '76.

SPECIALIZATIONS : AERODYNAMICS; FLIGHT DYNAMICS; FLIGHT CONTROLS; AIRCRAFT DESIGN; SOFTWARE DESIGN; ARTIFICIAL INTELLIGENCE.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1971-88; (ALSO VISITING ASSISTANT PROFESSOR, UNIVERSITY OF OKLAHOMA, U S A, 1979-80); SCIENTIST EII, N.A.L. SINCE DECEMBER, 1988; (ALSO VISITING FACULTY, I.I.T., KANPUR, 1988).

PRESENT ACTIVITIES : R & D IN FLUID DYNAMICS, SOFTWARE DESIGN AND ARTIFICIAL INTELLIGENCE.

LANGUAGES : BENGALI, HINDI, ENGLISH,

VISITED : U S A, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 36, TECH. REPORTS - 27, SCIENTIFIC BOOK - 1, ARTICLES - 4.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA).

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 22, APP. RES. - 24, R & D MGMT. - 20, TEACHING - 2, ADMN. - 1, EDITING - 3, COMPUTER PROCESSING - 27.

6763

SHRI M S CHIDANANDA; (B. JULY 1, 1947),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '69; M.SC. (ENGG.) MECHANICAL - B.I.T., RANCHI '72.

SPECIALIZATIONS : COMBUSTION ENGINEERING; INTERNAL COMBUSTION; HEAT POWER ENGINEERING; HEAT TRANSFER AND THERMODYNAMICS.

EXPERIENCE : LECTURER, N.I.E., MYSORE, S.I.T., TUMKUR AND R.V. ENGINEERING COLLEGE, BANGALORE, 1972-73; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1973-89; (ALSO UNESCO FELLOW FOR HIGHER TRAINING, W. GERMANY, 1978-79); SCIENTIST EII, N.A.L. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : R & D IN GAS TURBINE COMBUSTION.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : W. GERMANY, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, DESIGN - 20, TECH. DEV. - 20, TEACHING - 2.

6764

DR M D DESHPANDE; (B. APRIL 30, 1945),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - KARNATAK '68; M.E. AERONAUTICAL - I.I.S.C., BANGALORE '70; PH.D. AEROSPACE ENGINEERING - GEORGIA INSTITUTE OF TECHNOLOGY, U S A '77.

SPECIALIZATIONS : FLUID MECHANICS; COMPUTATIONAL FLUID MECHANICS; BIOFLUID MECHANICS.

EXPERIENCE : RESEARCH ASSISTANT, GEORGIA INSTITUTE OF TECHNOLOGY, ATLANTA, U S A, 1970-77; POST DOCTORAL RESEARCH ASSOCIATE, ASSISTANT PROFESSOR AND ASSOCIATE PROFESSOR, THE CATHOLIC UNIVERSITY OF AMERICA, WASHINGTON D.C., U S A, 1977-83; SCIENTIST EI, N.A.L., 1983-88; SCIENTIST EII, N.A.L., SINCE MARCH, 1988.

PRESENT ACTIVITIES : R & D IN FLUID MECHANICS.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 20, SCIENTIFIC BOOKS - 1, CONFERENCE PAPERS - 9.

AWARDS & DISTINCTIONS : NAL AWARD FOR BEST OUTSTANDING PERFORMANCE, 1988.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 17, APP. RES. - 17, TEACHING - 6.

6765

SHRI H GIRIGOSWAMI; (B. NOVEMBER 13, 1946),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '69; M.E. MECHANICAL - I.I.S.C., BANGALORE '81.

SPECIALIZATIONS : TURBOMACHINERY; COMPUTATIONAL FLUID DYNAMICS.

EXPERIENCE : S.S.A., C.M.E.R.I., DURGAPUR, 1970-73; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1973-91; SCIENTIST EII, N.A.L. SINCE JANUARY, 1991.

PRESENT ACTIVITIES : R & D IN COMPUTATIONAL FLUID DYNAMICS APPLIED TO TURBOMACHINERY.

LANGUAGES : BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 13, DESIGN - 8, TESTING - 3.

6766

DR R GOPINATH; (B. DECEMBER 20, 1937),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - MYSORE '58; M.E. AERODYNAMICS - I.I.S.C., BANGALORE '64; M.SC. (HIGH SPEED FLUID MECHANICS) - UNIVERSITY OF MANCHESTER, U.K. '65; PH.D.(HYPERSONIC TURBULENT BOUNDARY LAYERS) - UNIVERSITY OF SOUTHAMPTON, U.K. '73.

SPECIALIZATIONS : WALL INTERFERENCE IN WIND TUNNELS; WIND TUNNEL TESTING; HYPERSONIC FLOWS; ADAPTIVE WALL TECHNOLOGY; NLF TECHNOLOGY.

EXPERIENCE : TECHNICAL ASSISTANT, I.I.S.C., BANGALORE, 1959-64; POOL OFFICER (CSIR), N.A.L., BANGALORE, 1965-67; SCIENTIST B AND SCIENTIST C AND SCIENTIST EI, N.A.L., 1967-89; (ALSO SENIOR RESIDENT ASSOCIATE, N.A.S.A. LANGLEY RESEARCH CENTRE, U S A, 1981-82); SCIENTIST EII, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D IN WALL INTERFERENCE AND ADAPTIVE WALL TECHNOLOGY.

LANGUAGES : KANNADA, HINDI, ENGLISH, GERMAN.

VISITED : U.K., U S A, W. GERMANY, THE NETHERLANDS, FRANCE, SCANDINAVIAN, AUSTRALIA, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 27.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 22.

6767

SHRI P N JOSHI; (B. FEBRUARY 27, 1940),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BOMBAY; A.M.I.T.E. INDUSTRIAL ELECTRONICS AND COMPUTER ENGINEERING - I.E.T.E., (INDIA) '68; M.E. INSTRUMENT TECHNOLOGY - ANNA '85.

SPECIALIZATIONS : INSTRUMENT TECHNOLOGY; WIND TUNNEL BALANCES; COMPUTER BASED DATA ACQUISITION & PROCESSING SYSTEM FOR WIND TUNNEL; MICROPROCESSOR BASED TRANSIENT DATA ACQUISITION SYSTEMS; STRAIN GAUGING.

EXPERIENCE : DEMONSTRATOR, D.E.R.E., BOMBAY, 1964-66; S.T.A., I.I.T., BOMBAY, 1966-72; SCIENTIST B1, SCIENTIST C1 AND SCIENTIST EI, N.A.L., 1972-90; SCIENTIST EII, N.A.L. SINCE JANUARY, 1990.

PRESENT ACTIVITIES : R & D IN WIND TUNNEL TESTING AND PROJECT GUIDE FOR ENGINEERING STUDENTS.

LANGUAGES : MARATHI, KANNADA, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 16.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 19, TEACHING - 2.

6768

SHRI V KANAGARAJAN; (B. MARCH 5, 1945),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '67; D.M.I.T. AERONAUTICAL ENGINEERING - MADRAS '70; M.TECH. AERODYNAMICS - I.I.T., MADRAS '72.**SPECIALIZATIONS** : AERODYNAMICS; COMPUTER PROGRAMMING; HIGH SPEED WIND TUNNEL TESTING; AIRCRAFT-STORE SEPARATION.**EXPERIENCE** : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1973-88; SCIENTIST EII, N.A.L. SINCE JANUARY, 1988.**PRESENT ACTIVITIES** : R & D IN AERODYNAMICS AND MANAGEMENT IN TESTING.**LANGUAGES** : KANNADA, TAMIL, ENGLISH, GERMAN, FRENCH, HINDI.**PUBLICATIONS & PATENTS** : RES. PAPERS - 3, TECH. REPORTS - 53.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 16, APP. RES. - 18, DESIGN - 18, TECH. DEV. - 18, R & D MGMT.-12, TESTING - 18, PLANNING - 18, COMPUTER PROCESSING - 18.

6769

DR M KRISHNAMURTHY; (B. OCTOBER 5, 1943),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '65; M.E. AERONAUTICAL ENGINEERING - I.I.S.C., BANGALORE '67; PH.D. AERONAUTICAL ENGINEERING - I.I.T., KANPUR '72.**SPECIALIZATIONS** : AERODYNAMICS; AIRCRAFT DESIGN; FLIGHT MECHANICS; RAREFIED FLOWS.**EXPERIENCE** : SENIOR RESEARCH ASSISTANT AND LECTURER, I.I.T., KANPUR, 1968-72; ASSISTANT DESIGN ENGINEER, H.A.L., BANGALORE, 1973-78; ASSISTANT PROFESSOR, I.I.T., KANPUR, 1978-86; (ALSO RESEARCH ASSOCIATE, LOCKHEED INTERNATIONAL RESEARCH INSTITUTE, U S A, 1981-82); SCIENTIST EI, N.A.L., 1986-88; SCIENTIST EII, N.A.L. SINCE AUGUST, 1988.**PRESENT ACTIVITIES** : R & D IN AERODYNAMICS.**LANGUAGES** : KANNADA, HINDI, TELUGU, ENGLISH.**VISITED** : U S A**PUBLICATIONS & PATENTS** : RES. PAPERS - 5, TECH. REPORTS - 7.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 5, APP. RES. - 12, DESIGN - 5, TECH. DEV. - 10, CONSULTANCY - 2, TEACHING - 13.

6770

DR(MRS) SUDHA MAHADEVAN; (B. JUNE 19, 1941),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - MYSORE '60; M.SC. PHYSICS - MYSORE '61; PH.D. SOLID STATE PHYSICS- I.I.S.C., BANGALORE '69.**SPECIALIZATIONS** : AMORPHOUS MATERIALS; SOLID STATE PHYSICS; SEMICONDUCTORS PHYSICS.**EXPERIENCE** : RESEARCH ASSOCIATE, I.I.S.C., BANGALORE, 1969-70; RESEARCH SCIENTIST, YALE UNIVERSITY, U S A, 1970-71; POOL OFFICER (CSIR), I.I.S.C., BANGALORE, 1972-75; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1975-1989; SCIENTIST EII, N.A.L. SINCE JULY, 1989.**PRESENT ACTIVITIES** : R & D IN SOLID STATE PHYSICS.**LANGUAGES** : TAMIL, KANNADA, SANSKRIT, HINDI, ENGLISH.**VISITED** : U S A**PUBLICATIONS & PATENTS** : RES. PAPERS - 32, TECH. REPORTS - 6, ARTICLES - 3.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 32, APP. RES. - 30, DESIGN - 30, TECH. DEV. - 30.

6771

DR SEKHAR MAJUMDAR; (B. JANUARY 17, 1948),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - CALCUTTA '68; M.E. MECHANICAL - CALCUTTA '70; PH.D. MECHANICAL - BURDWAN '81.**EXPERIENCE** : SR. SCIENTIFIC ASST.; SCIENTIST B AND SCIENTIST C CMERI DURGAPUR 1970-83; RESEARCH ENGINEER, UNIV. KARLSRUHE, GERMANY 1983-89; SCIENTIST EII, N.A.L. SINCE APRIL, 1989.**PRESENT ACTIVITIES** : RESEARCH AND DEVELOPMENT ON NUMERICAL COMPUTATION OF TURBULENT FLOW IN COMPLEX CONFIGURATIONS.**LANGUAGES** : BENGALI, HINDI, ENGLISH, GERMAN.**VISITED** : GERMANY, U.K., SWITZERLAND, AUSTRALIA, ITALY, FRANCE, BELGIUM, THE NETHERLANDS, LUXEMBOURG, JAPAN.**PUBLICATIONS & PATENTS** : RES. PAPERS - 12, TECH. REPORTS - 22, CONFERENCE PRESENTATIONS - 12.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 20, CFD SOFTWARE DEVELOPMENT - 10.

6772

SHRI H V MALLIKARJUNA; (B. JUNE 23, 1942),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - MYSORE '64.**SPECIALIZATIONS** : TRISONIC WIND TUNNEL OPERATION AND MANAGEMENT.**EXPERIENCE** : DESIGNER, H.A.L., BANGALORE, 1965; SCIENTIST B1, SCIENTIST C1 AND SCIENTIST EI, N.A.L., 1965-89; SCIENTIST EII, N.A.L. SINCE APRIL, 1989.**PRESENT ACTIVITIES** : OPERATION, MAINTENANCE, TESTING AND DEVELOPMENT OF TRISONIC WIND TUNNEL.**LANGUAGES** : KANNADA, HINDI, TAMIL, ENGLISH.**VISITED** : U S A, FRANCE, CANADA, U.K.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1, TEST REPORTS - 17.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 25, TESTING - 12, MAINTENANCE - 25.

6773

DR M D MANICKAM; (B. FEBRUARY 26, 1943),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MADRAS '66; M.TECH. MECHANICAL ENGINEERING (TURBOMACHINES) - I.I.T., MADRAS '72; CERTIFICATE IN GERMAN LANGUAGE - M.M.B., BANGALORE; CERTIFICATE IN JAPANESE LANGUAGE - ASAHI CULTURAL CENTRE, TOKYO, JAPAN; PH.D. MECH. ENGG. - I.I.T., BOMBAY 1991.

SPECIALIZATIONS : CASCADE FLOW; AERODYNAMICS OF TURBINE AND COMPRESSORS; TURBOCHARGES; COOLING OF BLADES.

EXPERIENCE : ASSOCIATE LECTURER, S.S. POLYTECHNIC, 1966-67; S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1967-88; SCIENTIST EII, N.A.L. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TAMIL, KANNADA, ENGLISH, JAPANESE, GERMAN.

VISITED : JAPAN, U.K., SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 26, TEACHING - 1.

6774

SHRI N B MATHUR; (B. JANUARY 21, 1949),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - JODHPUR '70; M.E. AERONAUTICAL - I.I.S.C., BANGALORE '72; PH.D. AEROSPACE ENGG. I.I.T., MADRAS '89.

SPECIALIZATIONS : AFTERBODY/BASE FLOWS; HIGH SPEED WIND TUNNEL TESTING FLOW VISUALISATION TECHNIQUES AND BOUNDARY LAYERS.

EXPERIENCE : S.R.A., I.I.S.C., BANGALORE, 1972-73; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1973-90; SCIENTIST EII, N.A.L. SINCE NOVEMBER, 1990.

PRESENT ACTIVITIES : R & D IN AERODYNAMICS.

LANGUAGES : HINDI, ENGLISH.

VISITED : CHINA, U S A, GREECE, U.K., GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 22.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, DESIGN - 7, TECH. DEV. - 7, TESTING - 7, TEACHING - 1.

6775

DR M V A MURTHY; (B. FEBRUARY 20, 1942),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '65; M.E. MECHANICAL - I.I.S.C., BANGALORE '67; PH.D. TURBOMACHINERY, I.I.S.C., BANGALORE '88.

SPECIALIZATIONS : THERMAL TURBOMACHINERY; GAS TURBINES; MECHANICAL ENGINEERING.

EXPERIENCE : S.R.F., N.A.L., 1968; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1968-86; (ALSO ADVANCED TRAINING IN THERMAL TURBOMACHINERY AS DAAD FELLOW, W. GERMANY, 1972-74); SCIENTIST EII, N.A.L. SINCE APRIL, 1986.

PRESENT ACTIVITIES : R & D IN THERMAL TURBOMACHINERY.

LANGUAGES : KANNADA, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, CHINA.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 19.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 26, DESIGN - 26, TECHNICAL DEV. - 26, OPERATION - 21, TESTING - 21.

6776

SHRI Q H NAGPURWALA; (B. APRIL 14, 1945),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL (AUTOMOBILE ENGG.) - INDORE '68; M.TECH. MECHANICAL ENGINEERING (THERMAL MEASUREMENTS) - I.I.T., MADRAS '72.

SPECIALIZATIONS : AXIAL FLOW COMPRESSORS; MEASUREMENT TECHNIQUES IN TURBOMACHINERY; GAS TURBINES.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1972-89; (ALSO ADVANCED TRAINING IN MEASUREMENT TECHNIQUES FOR TURBOMACHINES, W. GERMANY, 1977-79); SCIENTIST EII, N.A.L. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : R & D IN AXIAL COMPRESSORS (TURBOMACHINERY).

LANGUAGES : URDU, GUJARATI, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, BELGIUM, SOUTH KOREA, FRANCE, ENGLAND, THE NETHERLANDS.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : 21

6777

SHRI G NARAYAN; (B. DECEMBER 6, 1943),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : A.M.I.E. ELECTRICAL - INSTITUTION OF ENGINEERS (INDIA) '65; M.TECH. INDUSTRIAL ELECTRONICS - MYSORE '75.

SPECIALIZATIONS : INDUSTRIAL ELECTRONICS; N C MACHINE TECHNOLOGY.

EXPERIENCE : S.L.A., J.S.A., S.T.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L. 1962-87; SCIENTIST EII, N.A.L. SINCE APRIL, 1987; (ALSO TRAINING IN C N C TECHNOLOGY, U.K., 1982).

PRESENT ACTIVITIES : CONTROLS, INSTRUMENTATION AND COMPUTER SYSTEMS.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

VISITED : U.K., U S A

PUBLICATIONS & PATENTS : TECH. REPORTS - 12.

AWARDS & DISTINCTIONS : AWARD FOR DESIGN, DEVELOPMENT AND PROJECT EXECUTION FOR THE INDIGENOUS R & D OF THE 0.6M TRANSONIC TUNNEL (H3), 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 15, TECHNICAL DEV. - 25.

6778

DR K YEGNA NARAYAN; (B. JUNE 27, 1947),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '67; M.E. AERONAUTICAL - I.I.S.C., BANGALORE '69; M.S.C. AERONAUTICAL ENGINEERING - I.I.S.C., BANGALORE '72; PH.D. AERONAUTICAL ENGINEERING - UNIVERSITY OF CAMBRIDGE, U.K. '74.

SPECIALIZATIONS : AERODYNAMICS OF AIRCRAFT CONFIGURATION; HIGH SPEED WIND TUNNEL TESTING; FLUID DYNAMICS.

EXPERIENCE : NATIONAL RESEARCH COUNCIL, POST-DOCTORAL FELLOW, N.A.S.A., U S A, 1974-77; SCIENTIST C AND SCIENTIST EI, N.A.L., 1977-88; SCIENTIST EII, N.A.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN AERODYNAMICS AND LIGHT TRANSPORT AIRCRAFT.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

VISITED : U.K., U.S.A, W. GERMANY, FRANCE, SINGAPORE.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH. REPORTS - 21.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 13, APP. RES. - 13.

6779

DR J P PICHAMUTHU; (B. JANUARY 12, 1942),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : PH.D. ELECTRICAL ENGINEERING - UNIVERSITY OF ILLINOIS, U S A '72.

SPECIALIZATIONS : LASER PHYSICS; LASER INSTRUMENTATION.

EXPERIENCE : TEACHING ASSIGNMENT, BRADLEY UNIVERSITY, 1967-68; POOL OFFICER (CSIR), N.A.L., 1972-74; SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1974-90; SCIENTIST F, N.A.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D IN OPTICAL INSTRUMENTATION.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 1, OTHERS - 3, PROCESSES DEVELOPED - 1.

AWARDS & DISTINCTIONS : NRDC INVENTION AWARD.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 17.

6780

DR GANGAN PRATHAP; (B. JUNE 6, 1951),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B. TECH. AERONAUTICAL ENGINEERING - I.I.T., MADRAS '74; PH.D. AERONAUTICAL ENGINEERING - I.I.T., MADRAS '78.

SPECIALIZATIONS : FINITE ELEMENT METHODS; NON LINEAR STRUCTURAL MECHANICS; LAMINATED COMPOSITES.

EXPERIENCE : RESEARCH ASSISTANT, I.I.T., MADRAS, 1977-78; RESEARCH ASSOCIATE, N.A.L., 1978-80; SCIENTIST C AND SCIENTIST EI, N.A.L., 1980-86; (ALSO DAAD FELLOW FOR HIGHER RESEARCH, W. GERMANY, 1983-84); SCIENTIST EII, N.A.L. SINCE JANUARY, 1990.

PRESENT ACTIVITIES : R & D IN FINITE ELEMENTS AND STRUCTURAL MECHANICS.

LANGUAGES : MALAYALAM, ENGLISH, GERMAN.

VISITED : GERMANY, U.S.S.R., U S A, CHINA.

PUBLICATIONS & PATENTS : RES. PAPERS - 80.

AWARDS & DISTINCTIONS : ASSOCIATE, INDIAN ACADEMY OF SCIENCES, 1986; YOUNG SCIENTIST AWARD, INDIAN ACADEMY OF SCIENCES, 1986; NAL FOUNDATION DAY AWARD FOR BASIC RESEARCH, 1988; FELLOW, INDIAN ACADEMY OF SCIENCES, 1990; S S BHATNAGAR PRIZE IN SCIENCE AND TECHNOLOGY, 1990; HONORARY SENIOR FELLOW, JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH, 1993.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20.

6781

DR P RAJAGOPAL; (B. MARCH 17, 1941),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - ANNAMALAI '64; M.E. AERONAUTICS - I.I.S.C., BANGALORE '67; DR. ING. VIBRATION AND AEROELASTICITY - UNIVERSITY OF PARIS, FRANCE '74.

SPECIALIZATIONS : VIBRATION AND AEROELASTICITY.

EXPERIENCE : AERONAUTICAL ENGINEER, N.A.L., BANGALORE, 1967-70; POOL OFFICER (CSIR), SCIENTIST C AND SCIENTIST EI, N.A.L., 1975-88; SCIENTIST EII, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : R & D IN VIBRATION AND AEROELASTICITY.

LANGUAGES : TELUGU, TAMIL, KANNADA, ENGLISH, FRENCH.

VISITED : FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 25.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, DESIGN - 5, TEACHING - 10.

6782

SHRI M S RAJAMURTHY; (B. JANUARY 13, 1950),
SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES,
BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - BANGALORE '71;
M.E. AERONAUTICAL - I.I.S.C., BANGALORE '73.

SPECIALIZATIONS : FLIGHT MECHANICS.

EXPERIENCE : PROJECT ASSISTANT, I.I.S.C., BANGALORE, 1973; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1973-89; (ALSO HIGHER TRAINING IN FLIGHT MECHANICS AS DAAD FELLOW, W. GERMANY, 1982-84); SCIENTIST EII, N.A.L. SINCE NOV. 1989; (ALSO ASSISTANT PROJECT DIRECTOR, ON DEPUTATION, A.D.A., BANGALORE SEPTEMBER, 1986-SEPT. 1989).

PRESENT ACTIVITIES : R & D IN FLIGHT MECHANICS.

LANGUAGES : TELUGU, KANNADA, TAMIL, HINDI, ENGLISH, GERMAN, FRENCH.

VISITED : GERMANY, FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, DESIGN & DEV. - 3.

6783

SHRI M S RAMACHANDRA; (B. MARCH 20, 1946),
SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES,
BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '67;
M.E. MECHANICAL - I.I.S.C., BANGALORE '69.

SPECIALIZATIONS : TURBOMACHINES; PROPULSION; INTERNAL COMBUSTION ENGINES; DATA GENERATION ON ENERGY EFFICIENT TURBOMACHINES.

EXPERIENCE : S.R.F., I.I.S.C., BANGALORE, 1969-71; S.R.F., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1971-89; (ALSO DAAD FELLOW FOR ADVANCED TRAINING IN HIGH SPEED CASCADE TESTING METHODS, W. GERMANY, 1974-76 AND ADVANCED COURSE IN TESTING TECHNIQUES IN TURBOMACHINES, BELGIUM, 1975); SCIENTIST EII, N.A.L. SINCE NOVEMBER, 1989.

PRESENT ACTIVITIES : R & D ON ENERGY EFFICIENT TURBOMACHINES AND ENGINES.

LANGUAGES : KANNADA, TELUGU, TAMIL, HINDI, ENGLISH, GERMAN, FRENCH.

VISITED : WEST GERMANY, BELGIUM, SWITZERLAND, NETHERLANDS.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 30, ARTICLES - 8, OTHERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 22, DESIGN - 17, TECHNICAL DEV. - 17, CONSTRUCTION - 8, OPERATION - 10, TESTING - 10, EDITING - 4.

6784

DR P RAMAMOORTHY; (B. JULY 1, 1937),
SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES,
BANGALORE.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICAL PHYSICS - ANDHRA '57; M.SC. NUCLEAR PHYSICS - ANDHRA '58; PH.D. APPLIED MATHEMATICS (MAGNETO HYDRO-DYNAMICS) - LONDON, U.K., 1964.

SPECIALIZATIONS : COMPUTER AIDED DESIGN; OPTIMIZATION; AERODYNAMICS; NLF TECHNOLOGY; MAGNETO-HYDRODYNAMICS.

EXPERIENCE : LECTURER, S.V. UNIVERSITY, TIRUPATI, 1960-62; POOL OFFICER(CSIR), I.I.S.C., BANGALORE, 1965-66; SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, N.A.L., 1966-87; (ALSO POST-DOCTORAL RESEARCH ASSOCIATE AT N.A.S.A. LANGLEY RESEARCH CENTRE, U S A, 1967-68); SCIENTIST F, N.A.L. SINCE JUNE, 1987.

PRESENT ACTIVITIES : R & D IN COMPUTER AIDED DESIGN AND NLF AIRFOILS.

LANGUAGES : KANNADA, TELUGU, HINDI, ENGLISH.

VISITED : U.K., U S A, NORWAY, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 33, APP. RES. - 30, R & D MGMT. - 16, DESIGN - 18, TEACHING - 3.

6785

DR T G RAMESH; (B. JANUARY 20, 1948),
SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES,
BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '66; M.SC. SOLID STATE PHYSICS - MYSORE '68; PH.D. HIGH PRESSURE SOLID STATE PHYSICS - MYSORE '75.

SPECIALIZATIONS : HIGH PRESSURE PHYSICS; ELECTRONIC INSTRUMENTATION; SOLID STATE PHYSICS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1970-89; (POST DOCTORAL RESEARCH FELLOW, MAX PLANCK INSTITUTE, ALEXANDER VON HUMBOLDT FOUNDATION, W. GERMANY, 1976-77); SCIENTIST EII, N.A.L. SINCE MAY, 1989.

PRESENT ACTIVITIES : R & D IN HIGH PRESSURE PHYSICS AND ELECTRONIC INSTRUMENTATION.

LANGUAGES : KANNADA, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 50, TECH. REPORTS - 10, ARTICLES - 4.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE IN ESTABLISHING ABSOLUTE THERMOELECTRIC POWER AS A POWERFUL RESEARCH TOOL, 1987; NAL AWARD FOR OUTSTANDING RESEARCH ON "PRESSURE INDUCED TRANSITION IN NICKEL", 1992.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 25.

6786

SHRI R RANGARAJAN; (B. JUNE 10, 1947),
SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES,
BANGALORE.

QUALIFICATIONS : B.TECH. AERONAUTICAL ENGINEERING - I.I.T., MADRAS '68; M.SC. (ENGG.) AEROSPACE ENGINEERING - I.I.S.C., BANGALORE '87.

SPECIALIZATIONS : STRAIN GAUGE BALANCE DESIGN; COMPUTATIONAL AERODYNAMICS; WIND TUNNEL TESTING.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1968-88; SCIENTIST EII, N.A.L. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : R & D IN COMPUTATIONAL AERODYNAMICS.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH, GERMAN.

VISITED : U S A, W. GERMANY, U.S.S.R., HONGKONG.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 28.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, DESIGN - 5, TECH. DEV. - 5.

6787

SHRI V RANGARAJAN; (B. MARCH 13, 1940),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - KARNATAK '66; B.E. MECHANICAL - BANGALORE '78.

SPECIALIZATIONS : PRODUCTION TECHNOLOGY; JIG AND TOOL DESIGN; FACILITY BUILDING.

EXPERIENCE : TRAINEE, MACHINE SETTER AND ASSISTANT SUPERVISOR, H.A.L., BANGALORE, 1957-67; FOREMAN, BRAKES INDIA LTD., MADRAS, 1967; ASSISTANT FOREMAN, TELCO MACHINE TOOL DIVISION, POONA, 1967-68; TECHNICAL OFFICER, E.C.I.L., HYDERABAD, 1968-73; SCIENTIST C AND SCIENTIST EI, N.A.L., 1973-89; (ALSO TRAINING IN SPECIAL PURPOSE MACHINES, UNDER UNESCO, U S A, 1977); SCIENTIST EII, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D IN FACILITY BUILDING.

LANGUAGES : TAMIL, HINDI, KANNADA, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : PATENTS FILED - 1.

AWARDS & DISTINCTIONS : NAL OUTSTANDING PERFORMANCE AWARD, 1992.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 11, QUALITY CONTROL - 4, PRODUCTION - 14.

6788

SHRI M SUBBA RAO; (B. JANUARY 1, 1946),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - KAKATIYA '72; M.TECH. APPLIED MECHANICS - I.I.T., MADRAS '74.

SPECIALIZATIONS : STRUCTURAL MECHANICS; COMPOSITE STRUCTURES.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1974-90; SCIENTIST EII, N.A.L. SINCE SEPTEMBER, 1990; (ALSO HIGHER TRAINING IN COMPOSITE STRUCTURES, W. GERMANY, 1985 AND 1986).

PRESENT ACTIVITIES : RESEARCH IN COMPOSITE STRUCTURES.

LANGUAGES : TELUGU, ENGLISH.

PUBLICATIONS & PATENTS : RES PAPERS - 3, TECH. REPORTS - 22.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 13.

6789

DR J R RAOL; (B. AUGUST 1, 1947),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL ENGINEERING - M.S. UNIVERSITY OF BARODA '71; M.E. ELECTRICAL ENGINEERING - M.S. UNIVERSITY OF BARODA '73; PH.D. ELECTRICAL & COMPUTER ENGINEERING - MC MASTER UNIVERSITY, CANADA '86.

SPECIALIZATIONS : AUTOMATIC AND CONTROL ENGINEERING; MAN-MACHINE INTERACTION; ESTIMATION THEORY; ROBUSTNESS ANALYSIS OF FLIGHT CONTROL SYSTEMS; NEURAL NETWORKS.

EXPERIENCE : TEACHING ASSISTANT, M.S. UNIVERSITY OF BARODA, 1973-75; S.S.A. AND SCIENTIST B, N.A.L., 1975-81; TEACHING & RESEARCH ASSISTANT, MC MASTER UNIVERSITY, CANADA, 1981-86; (ALSO STUDIES FOR PH.D.); SCIENTIST C AND SCIENTIST EI, N.A.L., 1986-90; SCIENTIST EII, N.A.L. SINCE AUGUST, 1990.

PRESENT ACTIVITIES : R & D IN AEROSPACE DYNAMICAL SYSTEMS.

LANGUAGES : GUJARATI, HINDI, SANSKRIT, ENGLISH.

VISITED : CANADA, SYRIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 30.

AWARDS & DISTINCTIONS : SENIOR MEMBER, IEEE (USA) SINCE 1992; KF ANITA MEMORIAL PRIZE FOR BEST PAPER ON "STATE ESTIMATION FOR SYSTEMS WITH TIME-DELAY", INSTITUTION OF ENGINEERS, 1976-77.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, TEACHING - 7.

6790

SHRI S SANKARANARAYANAN; (B. AUGUST 15, 1947),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '66; B.SC.(ENGG) MECHANICAL - KERALA '70; M.E. MECHANICAL - I.I.S.C., BANGALORE '73.

SPECIALIZATIONS : TURBOMACHINERY; TURBINES FOR SOLAR ENERGY APPLICATIONS; CENTRIFUGAL COMPRESSORS/FANS/BLOWERS.

EXPERIENCE : ASSOCIATE LECTURER, THIYAGARAJA COLLEGE OF ENGINEERING, MADURAI, 1970-71; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1973-89; (ALSO U.N.E.S.C.O. FELLOWSHIP FOR HIGHER TRAINING, SWITZERLAND AND FRANCE, 1977-78); SCIENTIST EII, N.A.L. SINCE 1989.

PRESENT ACTIVITIES : R & D IN TURBOMACHINES AND CENTRIFUGAL COMPRESSORS.

LANGUAGES : TAMIL, MALAYALAM, ENGLISH.

VISITED : SWITZERLAND, FRANCE, ITALY.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, DESIGN - 2, TECH. DEV. - 1, TEACHING - 1.

6791

DR SUSHIL KUMAR SAXENA; (B. FEBRUARY 14, 1946),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - VIKRAM '67; M.S. AERONAUTICAL - I.I.T., MADRAS '74; PH.D. AEROSPACE - I.I.S.C., BANGALORE '87.

SPECIALIZATIONS : COMPUTATIONAL FLUID DYNAMICS; APPLIED AERODYNAMICS.

EXPERIENCE : SCIENTIST-F, VIKRAM SARABHAI SPACE CENTRE, TRIVANDRUM, 1973-91; SCIENTIST EII, N.A.L., BANGALORE SINCE JULY 1991.

PRESENT ACTIVITIES : COMPUTATIONAL HYPERSONIC/COMPUTATIONAL AERODYNAMICS.

LANGUAGES : HINDI, ENGLISH.

VISITED : CHINA, HONGKONG.

PUBLICATIONS & PATENTS : RES. PAPERS - 25.

PROFESSIONAL EXPERIENCE(IN YEARS) : 21.

6792

SHRI JAI PRAKASH SINGH; (B. JULY 31, 1947),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B. TECH. AERONAUTICAL ENGINEERING - I.I.T., KANPUR '69; M.SC. (ENGG.) AEROSPACE ENGG. - I.I.S.C., BANGALORE '88.

SPECIALIZATIONS : AERODYNAMICS; COMPUTATIONAL FLUID DYNAMICS; CIVIL AVIATION.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1970-91; SCIENTIST EII, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D IN COMPUTATIONAL FLUID DYNAMICS AND CIVIL AVIATION.

LANGUAGES : HINDI, ENGLISH.

VISITED : U.S.S.R., GERMANY, SOUTH KOREA.

PUBLICATIONS & PATENTS : RES. PAPERS - 27, TECH. REPORTS - 8.

AWARDS & DISTINCTIONS : MEMBER, CASI, CANADA, 1974-75; SENIOR MEMBER, AMERICAN INSTITUTE OF AERONAUTICS AND WASHINGTON, U S A.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24.

6793

SHRI K SIVASANKARAM; (B. JUNE 1, 1944),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - SRI VENKATESWARA '66; M.TECH. MECHANICAL ENGINEERING - I.I.T., KHARAGPUR '69.

SPECIALIZATIONS : INTERNAL COMBUSTION ENGINES; COMBUSTION IN GAS TURBINES.

EXPERIENCE : TECHNICAL TEACHER TRAINEE, I.I.T., KHARAGPUR, 1970; ASSOCIATE LECTURER, REGIONAL ENGINEERING COLLEGE, WARANGAL, 1970-71; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1971-89; (ALSO ADVANCED RESEARCH, W. GERMANY, 1975-76); SCIENTIST EII, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D IN I.C. ENGINES AND GAS TURBINES.

LANGUAGES : TELUGU, KANNADA, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 5, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, DESIGN - 16, TEACHING - 3.

6794

SHRI M K SRIDHAR; (B. JANUARY 21, 1951),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '70; M.SC. CHEMISTRY - BANGALORE '73; M.TECH. MATERIALS SCIENCE - I.I.T., KANPUR '76.

SPECIALIZATIONS : POLYMER SCIENCE; COMPOSITE MATERIALS; FIBRE TECHNOLOGY; MECHANICAL TESTING.

EXPERIENCE : S.R.F., SCIENTIST B AND SCIENTIST C, N.A.L., 1984-90; SCIENTIST EII, N.A.L. SINCE MAY, 1990.

PRESENT ACTIVITIES : R & D IN FIBRES, RESINS AND COMPOSITES.

LANGUAGES : KANNADA, ENGLISH.

VISITED : W. GERMANY, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 10.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEVELOPMENT OF ARAMID FIBRES, 1986; MRSI MEDAL, 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, DESIGN - 2, TECHNICAL DEV. - 2, PILOT PLANT - 5.

6795

DR R SUNDER; (B. AUGUST 8, 1953),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.TECH. AERONAUTICAL ENGINEERING - KIEV INSTITUTE OF CIVIL AVIATION, U.S.S.R. '75; PH.D. AERONAUTICAL ENGINEERING - KIEV INSTITUTE OF CIVIL AVIATION, U.S.S.R. '78.

SPECIALIZATIONS : FATIGUE AND FRACTURE; COMPUTER SIMULATION; COMPUTER PROGRAMMING.

EXPERIENCE : SCIENTIST C AND SCIENTIST EI, N.A.L., 1978-88; SCIENTIST EII, N.A.L. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : R & D IN FATIGUE AND FRACTURE.

LANGUAGES : TAMIL, HINDI, ENGLISH, RUSSIAN.

VISITED : U.S.S.R., U.K., U.S.A

PUBLICATIONS & PATENTS : RES. PAPERS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11, TECH. DEV. - 11, TEACHING - 2, COMPUTER PROCESSING - 7.

6796

SHRI K M MRUTHUNJAYA SWAMY; (B. JUNE 11, 1951),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - KARNATAK '71; M.E. MECHANICAL - I.I.S.C., BANGALORE '73.

SPECIALIZATIONS : THERMAL TURBOMACHINERY; HEAT POWER ENGINEERING; PROPULSION.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1973-90; SCIENTIST EII, N.A.L. SINCE OCTOBER, 1990.

PRESENT ACTIVITIES : R & D IN THERMAL TURBOMACHINES.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 11, TECH. DEV. - 9.

6797

DR(MRS) KALYANI VIJAYAN; (B. JUNE 10, 1942),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '61; M.SC. PHYSICS - MADRAS '64; PH.D. CRYSTALLOGRAPHY - I.I.S.C., BANGALORE '69.

SPECIALIZATIONS : X-RAY CRYSTALLOGRAPHY.

EXPERIENCE : SENIOR RESEARCH ASSISTANT, I.I.S.C., BANGALORE, 1969; POST-DOCTORAL FELLOW, OXFORD UNIVERSITY, U.K., 1969-71; POOL OFFICER (CSIR), N.A.L., 1971-73; SCIENTIST B AND SCIENTIST C, N.A.L., 1971-85; (ALSO FELLOWSHIP OXFORD UNIVERSITY, U.K., 1976-77); SCIENTIST EI, N.A.L. 1985-90; SCIENTIST EII, N.A.L. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : R & D IN X-RAY CRYSTALLOGRAPHY.

LANGUAGES : TAMIL, MALAYALAM, HINDI, ENGLISH, FRENCH, GERMAN.

VISITED : U.K, JAPAN, AUSTRIA, U.S.A, FRANCE, GERMANY, ITALY.

PUBLICATIONS & PATENTS : RES. PAPERS - 55, TECH. REPORTS - 4, PAPERS PRESENTED - 36.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 30, COMPUTER PROCESSING - 30, CONSTRUCTION - 1.

6798

DR S VISWANATH; (B. JUNE 12, 1947),

SCIENTIST EII, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '71; M.TECH. APPLIED MECHANICS - I.I.T., MADRAS '73; PH.D.

AERONAUTICAL ENGINEERING - I.I.S.C., BANGALORE '87.

SPECIALIZATIONS : STRUCTURAL MECHANICS; STRUCTURAL ANALYSIS; FRACTURE MECHANICS; COMPOSITE STRUCTURES; FINITE ELEMENT METHOD.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, N.A.L., 1973-88; SCIENTIST EII, N.A.L. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : R & D IN STRUCTURAL MECHANICS - COMPOSITE DESIGN & ANALYSIS

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : W. GERMANY, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS AND TECH. REPORTS - 43.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17, CONSULTANCY - 2, EDITING - 3.

6799

SHRI MOHAMED ASLAM; (B. MAY 6, 1938),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '58; B.L. (INDIAN LAW) - MYSORE '63; DIPLOMA IN INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT - KARNATAK '65.

SPECIALIZATIONS : TECHNOLOGY TRANSFER.

EXPERIENCE : STENO, N.A.L., 1960-64; J.T.A., C.S.I.R., NEW DELHI, 1964-68; J.T.A., S.T.A., SCIENTIST A1, SCIENTIST B AND SCIENTIST C, N.A.L., 1968-86; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : TECHNOLOGY TRANSFER; INTERNATIONAL SCIENTIFIC COLLABORATION.

LANGUAGES : URDU, HINDI, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 8, OTHERS (DIRECTORY OF SPONSORED PROJECTS - 1).

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNOLOGY TRANSFER - 30, ADMN. - 4.

6800

DR K BANDYOPADHYAY; (B. JULY 12, 1940),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - CALCUTTA '62; M.SC. MATHEMATICS - AGRA '66; PH.D. PHYSICS - JADAVPUR '71.

SPECIALIZATIONS : SOLID STATE PHYSICS.

EXPERIENCE : ASSISTANT TEACHER, JADAVPUR UNIVERSITY, 1968-72; RESEARCH ASSOCIATE, I.I.S.C., BANGALORE, 1972-75; RESEARCH ASSOCIATE, SCIENTIST B AND SCIENTIST C, N.A.L., 1975-89; SCIENTIST EI, N.A.L. SINCE 1989.

PRESENT ACTIVITIES : R & D IN SOLID STATE PHYSICS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 14, DESIGN - 3, TECH. DEV. - 3, TEACHING - 4.

6801

DR SRINIVAS BHOGLE; (B. OCTOBER 6, 1956),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.STAT. (HONS.) - I.S.I. '77; M.STAT. - I.S.I. '78; M. PHIL. APPLIED MATHEMATICS - UNIVERSITY OF PARIS, FRANCE '81; PH.D. GRAPH THEORY & OPERATIONS RESEARCH - UNIVERSITY OF PARIS, FRANCE '83.

SPECIALIZATIONS : OPERATIONS RESEARCH; R & D MANAGEMENT; S & T COMMUNICATION; INFORMATION SCIENCE.

EXPERIENCE : SCIENTIST C, N.A.L., 1983-88; SCIENTIST EI, N.A.L. SINCE APRIL, 1988; (ALSO D S T FELLOW, THE HINDU, 1989).

PRESENT ACTIVITIES : DOCUMENTATION, DATABASES AND INFORMATION SYSTEMS; TECHNOLOGY MARKETING.

LANGUAGES : MARATHI, HINDI, BENGALI, TELUGU, ENGLISH, FRENCH.

VISITED : FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 10, ARTICLES & REVIEWS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MGMT., EDITING, DOCUMENTATION AND COMPUTER PROCESSING - 10.

6802

DR SUNIL KUMAR CHAKRABARTY; (B. NOVEMBER 19, 1946),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BURDWAN '67; M.SC. APPLIED MATHEMATICS - JADAVPUR '70; PH.D. TRANSONIC AERODYNAMICS - JADAVPUR '76.

SPECIALIZATIONS : TRANSONIC AERODYNAMICS; NUMERICAL METHODS; FLUID MECHANICS; COMPUTATIONAL FLUID DYNAMICS.

EXPERIENCE : J.R.F., JADAVPUR UNIVERSITY, W.B., 1972-75; S.R.F. AND POST-DOCTORAL RESEARCH FELLOW, I.I.S.C., BANGALORE, 1975-77; RESEARCH ASSOCIATE, I.I.T., KHARAGPUR, 1977-78, SCIENTIST B AND SCIENTIST C, N.A.L. 1978-88; SCIENTIST EI, N.A.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN FLUID AERODYNAMICS.

LANGUAGES : BENGALI, HINDI, ENGLISH, GERMAN.

VISITED : JAPAN, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 23, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 24, APP. RES. - 15, R & D MGMT. - 12.

6803

SHRI B K CHANDRAPPA; (B. MARCH 5, 1946),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : D.M.E. MECHANICAL - POLYTECHNIC '68; A.M.I.E. MECHANICAL - INSTITUTION OF ENGI-

NEERS (INDIA) '75; M.E. MACHINE DESIGN - BANGALORE '88.

SPECIALIZATIONS : MECHANICAL ENGINEERING; TURBOMACHINERY.

EXPERIENCE : JUNIOR DRAFTSMAN, SENIOR DRAFTSMAN, J.T.A., S.T.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1969-91; (ALSO TRAINING IN DESIGNING OF PROBE TRAVERSE MECHANISM, W. GERMANY, 1983); SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D IN TURBOMACHINES, DEVELOPMENTAL TESTING, SOPHISTICATED TEST FACILITIES AND DESIGN UPDATING.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : TECH. REPORTS - 15, OTHERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 10, APP. RES. - 10, TESTING - 10, DATA GEN. - 5, FACILITY OPN. & MAINT. - 10.

LANGUAGES : KANNADA, HINDI, TAMIL, ENGLISH, GERMAN.

6804

SHRI C SANJEEVIAH CHETTY; (B. MAY 7, 1937),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - MYSORE '61; M.SC. MATHEMATICS - MYSORE '62.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; NUMERICAL ANALYSIS; COMPUTER APPLICATIONS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1963-88; SCIENTIST EI, N.A.L. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : COMPUTER APPLICATION SOFTWARE.

LANGUAGES : TAMIL, KANNADA, TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 6, CONSULTANCY - 5, IND. MGMT. - 8, DOCUMENTATION - 1, COMPUTER PROCESSING - 10, COMPUTER GRAPHICS - 5, TECHNOLOGY MARKETING - 12.

6805

SHRI SHYAM CHETTY; (B. MAY 28, 1954),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRONICS AND COMMUNICATION - MADRAS '76; M.TECH. INSTRUMENTATION - I.I.T., KHARAGPUR '78.

SPECIALIZATIONS : FLIGHT CONTROLS; AIRCRAFT HANDLING QUALITIES; COMPUTER AIDED DESIGN IN FLIGHT SIMULATION; COMPUTER AIDED CONTROL SYSTEM DESIGN; TRANSDUCER DESIGN; ELECTRONIC CIRCUITS.

EXPERIENCE : ENGINEER TRAINEE, C.M.T.I., BANGALORE, 1978; SCIENTIST B AND SCIENTIST C, 1978-88; SCIENTIST EI, N.A.L. SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : R & D IN FLIGHT CONTROL, AIRCRAFT HANDLING QUALITIES EVALUATION, COMPUTER AIDED DESIGN AND IN-FLIGHT SIMULATION.

LANGUAGES : TELUGU, KANNADA, HINDI, ENGLISH, GERMAN.

VISITED : GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH. REPORTS - 14.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1989, 1991.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, DESIGN - 7, TECH. DEV - 10, TESTING - 6.

6806

DR P K DASH; (B. NOVEMBER 7, 1947),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(ENGG) CIVIL - SAMBALPUR '69; M.SC. CIVIL ENGINEERING - I.I.SC., BANGALORE '72; PH.D. AERONAUTICAL ENGINEERING - I.I.SC., BANGALORE '79.

SPECIALIZATIONS : THEORY OF PROBABILITY AND STOCHASTIC PROCESSES; RANDOM VIBRATION; FATIGUE AND FRACTURE.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, N.A.L., 1977-88; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 9, COMPUTER PROCESSING - 6.

6807

SHRI C DIVAKAR; (B. AUGUST 10, 1952),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. NUCLEAR PHYSICS - BANGALORE '72; D.I.T. INDUSTRIAL PHYSICS - I.I.T., KHARAGPUR '75; PH.D. PHYSICS - BANGALORE '94.

SPECIALIZATIONS : PHASE TRANSFORMATION IN SOLIDS; HIGH PRESSURE AND HIGH TEMPERATURE PHYSICS; TRANSPORT AND ELASTIC PROPERTIES OF SOLIDS UNDER PRESSURE.

EXPERIENCE : LECTURER, KARNATAKA P.U.C. BOARD, 1972-74; LECTURER, M.E.I. POLYTECHNIC, BANGALORE, 1975-76; J.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1977-90; SCIENTIST EI, N.A.L. SINCE DECEMBER, 1990.

PRESENT ACTIVITIES : RESEARCH AND DEVELOPMENT IN HIGH PRESSURE SCIENCE & TECHNOLOGY (IN THE AREA OF CUTTING TOOLS).

LANGUAGES : KANNADA, HINDI, ENGLISH, RUSSIAN.

VISITED : U.S.S.R., UKRAINE.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 7.

6808

DR PRODYOT KUMAR DUTTA; (B. JULY 2, 1948),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AERONAUTICAL ENGINEERING - I.I.T., KHARAGPUR '71; M.E. AERONAUTICAL ENGINEERING - I.I.SC., BANGALORE '73; PH.D. AEROSPACE ENGINEERING - I.I.SC., BANGALORE '88.

SPECIALIZATIONS : ROTATIONAL FLOWS; SEPARATED FLOWS; TURBULENT FLOWS.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, N.A.L., 1973-84; SCIENTIST EI, N.A.L. SINCE NOVEMBER, 1984.

PRESENT ACTIVITIES : R & D IN ROTATIONAL FLOWS.

LANGUAGES : BENGALI, HINDI, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 18, APP. RES. - 18.

6809

DR(MRS) VIMALA DUTTA; (B. NOVEMBER 12, 1948),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '67; M.SC. MATHEMATICS - BANGALORE '69; PH.D. MATHEMATICS (FLUID MECHANICS) - I.I.SC., BANGALORE '74.

SPECIALIZATIONS : COMPUTATIONAL FLUID DYNAMICS.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1973-87; SCIENTIST EI N.A.L. SINCE AUGUST, 1987.

PRESENT ACTIVITIES : R & D IN COMPUTATIONAL FLUID DYNAMICS.

LANGUAGES : KANNADA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 13, ARTICLES - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 18, APP. RES. - 18.

6810

SHRI G S DWARAKANATH; (B. FEBRUARY 5, 1937),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. MATHEMATICS - MYSORE '60.

SPECIALIZATIONS : MATHEMATICS.

EXPERIENCE : LECTURER, DIRECTORATE OF COLLEGIATE EDUCATION, HASSAN, 1961-62; LECTURER, B.M.S. COLLEGE OF ENGINEERING, BANGALORE, 1962-63; LECTURER, ARTS AND SCIENCE COLLEGE, BANGALORE, 1963-65; S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1965-91; SCIENTIST EI, N.A.L. SINCE NOVEMBER, 1991.

PRESENT ACTIVITIES : RESEARCH & DESIGN OF NATURAL LAMINAR FLOW AIRFOILS.

LANGUAGES : KANNADA, ENGLISH.

296

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES. AND DESIGN - 21, TEACHING - 5.

6811

MISS C DINAH GEETHALATHAI; (B. DECEMBER 24, 1952),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - BANGALORE '73; M.SC. PHYSICS - BANGALORE '75; PH.D. PHYSICS - BANGALORE '90.

SPECIALIZATIONS : DIGITAL SYSTEMS; ELECTRONIC CIRCUIT ANALYSIS; MICROPROCESSOR BASED CIRCUITS; DIGITAL COMPUTER HARDWARE; COMPUTER NETWORKS; PARALLEL PROCESSING.

EXPERIENCE : J.R.F., S.R.F. AND SCIENTIST B AND SCIENTIST C, N.A.L., 1977-90; SCIENTIST EI, N.A.L. SINCE DECEMBER, 1990.

PRESENT ACTIVITIES : DESIGN AND ANALYSIS OF DIGITAL SYSTEMS ESTABLISHMENT OF A CAMPUS-WIDE NETWORK AT N.A.L. AND PERFORMANCE EVALUATION.

LANGUAGES : KANNADA, TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 3, OTHERS - 1.

AWARDS & DISTINCTIONS : LIFE MEMBER, INSTRUMENT SOCIETY OF INDIA.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 16, APP. RES. - 7, DESIGN - 7.

6812

SHRI A GIRIDHAR; (B. JULY 1, 1949),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - OSMANIA '67; M.SC. PHYSICAL CHEMISTRY - OSMANIA '70.

SPECIALIZATIONS : AMORPHOUS MATERIALS; PHYSICAL CHEMISTRY.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L. 1981-90; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MARATHI, TELUGU, HINDI, KANNADA, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, APP. RES. - 4.

6813

DR P S GOPALAKRISHNAN; (B. SEPTEMBER 25, 1942),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.- KERALA '62, M.SC. PHYSICAL CHEMISTRY - VIKRAM '65; PH.D. STRUCTURAL AND SOLID STATE CHEMISTRY - I.I.S.C., BANGALORE '72.

SPECIALIZATIONS : SOLID STATE CHEMISTRY; INFRA-RED SENSORS; CRYSTAL GROWTH; X-RAY CRYSTALLOGRAPHY.

EXPERIENCE : LECTURER, SREE KERALA VERMA COLLEGE, TRICHUR, 1965-66; S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1971-84; (ALSO TRAINING IN HIGH PRESSURE CHEMICAL SYNTHESIS, FRANCE, 1976-77); SCIENTIST EI, N.A.L. SINCE DECEMBER, 1984.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TAMIL, HINDI, MALAYALAM, ENGLISH, FRENCH.

VISITED : FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 4.

AWARDS & DISTINCTIONS : THE SUDBOROUGH MEDAL, I I SC BANGALORE, 1973.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 16, TEACHING - 1.

6814

SHRI R GOPALAN; (B. APRIL 20, 1952),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '74; D.M.I.T. AERONAUTICAL - M.I.T., MADRAS '77; M.E. AERONAUTICAL - MADRAS '79; PH.D. COMPOSITE MATERIALS - I.I.S.C., BANGALORE '91.

SPECIALIZATIONS : COMPOSITE MATERIALS; HYDROTHERMAL STUDIES ON COMPOSITES; AIRCRAFT STRUCTURES; ADHESIVELY BONDED JOINTS; REPAIR TECHNOLOGY; CREATION OF COMPOSITES DATABASE.

EXPERIENCE : ASSTT. AERONAUTICAL ENGINEER, H.A.L., NASIK, 1979-80; SCIENTIST B AND SCIENTIST C, N.A.L., 1980-90; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1990; (ALSO RESEARCH FELLOW, HONGKONG UNIVERSITY, 1994-95).

PRESENT ACTIVITIES : R & D IN COMPOSITE MATERIALS.

LANGUAGES : TAMIL, KANNADA, MALAYALAM, ENGLISH.

VISITED : GERMANY, FRANCE, U.K., CZECHOSLOVAKIA, SINGAPORE, HONGKONG, THAILAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 80.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1988-92;

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 1, TESTING - 13.

6815

SHRI GIRIJA GOPALRATNAM; (B. MARCH 3, 1954),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - BANGALORE '73; M.SC. PHYSICS - BANGALORE '75.

SPECIALIZATIONS : PHYSICS; ELECTRONIC INSTRUMENTATION; FLIGHT MECHANICS, PARAMETER ESTIMATION.

EXPERIENCE : J.R.F., J.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1975-90; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D IN PARAMETER IDENTIFICATION OF AIRCRAFTS & MISSILES.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 14, PATENTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17.

6816

SHRI V K WILLIAM GRIPS; (B. JUNE 24, 1952),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. CHEMISTRY - MADURAI '74.

SPECIALIZATIONS : ELECTROPLATING AND METAL FINISHING.

EXPERIENCE : DEMONSTRATOR, M/S VOORHEES COLLEGE, VELLORE, 1975; J.R.F., COIMBATORE INSTITUTE OF TECHNOLOGY, 1975; J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1975-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : ELECTROPLATING AND METAL FINISHING.

LANGUAGES : TAMIL, HINDI, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 6, PATENTS FILED - 2, PROCESSES DEVELOPED - 3, INVITED LECTURES - 3, REVIEW PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12.

6817

SHRI SHAIK ISMAIL; (B. JULY 1, 1952),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - S.V. UNIVERSITY '72; M.SC. PHYSICS (ELECTRONICS) - S.V. UNIVERSITY '74; M.TECH. PHYSICAL ENGINEERING - I.I.S.C., BANGALORE '77.

SPECIALIZATIONS : ELECTRONIC SYSTEMS; INSTRUMENTATION; FLIGHT MECHANICS/ CONTROL; MODEL REDUCTION; AIRCRAFT HANDLING QUALITIES.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, N.A.L., 1978-89; SCIENTIST EI, N.A.L. SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : R & D IN FLIGHT MECHANICS/CONTROL/PILOT-INDUCED OSCILLATION.

LANGUAGES : URDU, TELUGU, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 15.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE AWARD, 1991;

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TESTING - 6; TECH. DEV. 5.

6818

SHRI S P JAGADHESHWARACHAR; (B. AUGUST 17, 1949),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '72.

SPECIALIZATIONS : MECHANICAL ENGINEERING.

EXPERIENCE : J.R.F., J.S.A., S.T.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1972-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D IN WIND TUNNEL OPERATION AND MAINTENANCE.

LANGUAGES : KANNADA, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 5, OPERATION - 5, MAINTENANCE - 5.

6819

DR V JAYARAMAN; (B. JANUARY 25, 1950),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - ANNAMALAI '72; M.TECH. AERONAUTICS - I.I.T., MADRAS '74; PH.D. AERONAUTICS - UNIV. OF POITIERS, FRANCE '83; POST DOCTORAL AT ONERA, FRANCE '1988-89.

SPECIALIZATIONS : EXPERIMENTAL AERODYNAMICS; MECHANICAL ENGINEERING; EXPERIMENTAL FLUID MECHANICS.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, N.A.L., 1974-86; SCIENTIST EI, N.A.L. SINCE SEPTEMBER, 1986.

PRESENT ACTIVITIES : R & D IN FLUID MECHANICS; AERONAUTICS.

LANGUAGES : TAMIL, KANNADA, ENGLISH, FRENCH.

VISITED : FRANCE, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 6, DESIGN - 2, TECH. DEV. - 2, R & D MGMT. - 1.

6820

DR RAKESH MOHAN JHA; (B. JUNE 7, 1959),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC.(HONS.) PHYSICS - B.I.T.S., PILANI '82; B.E. (HONS.) ELECTRICAL & ELECTRONIC ENGINEERING - B.I.T.S., PILANI '82; PH.D.(ENGG.) - I.I.S.C., BANGALORE '89.

SPECIALIZATIONS : COMPUTATIONAL ELECTROMAGNETICS; RAY TRACING, GTD/UTD; ELECTROMAGNETIC ANALYSIS OF AIRCRAFT, SPACECRAFT AND SATELLITE MOUNTED ANTENNAS; ELECTROMAGNETIC WAVE PROPAGATION; RADAR CROSS SECTION STUDIES OF THE AEROSPACE BODIES.

EXPERIENCE : RESEARCH ASSOCIATE, IISC, BANGALORE, 1989-91; POST DOCTORAL FELLOW, OXFORD UNIVERSITY, U.K., 1991-92; ALEXANDER VON HUMBOLDT FELLOW, UNIV. KARLSRUHE, FRG, 1992-93; SCIENTIST EI, N.A.L. SINCE 1993.

PRESENT ACTIVITIES : R & D IN COMPUTATIONAL ELECTROMAGNETICS; RADAR CROSS SECTION (RCS) STUDIES OF AEROSPACE BODIES; RADAR CROSS SECTION (RCS) REDUCTION OF AIRCRAFT AND MISSILES (STEALTH TECHNIQUES); EM DESIGN ASPECTS OF RADOMES; OPTIMAL ANTENNA LOCATION ON AIRCRAFT; NEURAL NETS IN RADAR TARGET IDENTIFICATION.

LANGUAGES : ENGLISH, HINDI, MAITHILI, BENGALI, JAPANESE.

VISITED : U.K., W. GERMANY, SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 38, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, DESIGN - 12, TECH. DEV. - 12.

6821

DR M KALYANAM; (B. APRIL 2, 1942),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - ANNAMALAI '62; M.SC. PHYSICS - ANNAMALAI '64; PH.D. PHYSICS - I.I.S.C., BANGALORE '82.

SPECIALIZATIONS : SPECETROCHEMICAL ANALYSIS; SPECTROSCOPY; MASS SPECTROSCOPY.

EXPERIENCE : J.R.F., C.E.C.R.I., KARAIKUDDI, 1964-65; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1965-86; SCIENTIST EI, N.A.L. SINCE SEPTEMBER, 1986.

PRESENT ACTIVITIES : R & D IN SPECTROCHEMICAL ANALYSIS.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 5, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, DESIGN - 3, TESTING - 24.

6822

SHRI S M KANNAN; (B. SEPTEMBER 7, 1940),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '61; D.M.I.T. AERONAUTICAL - M.I.T., MADRAS '64; M.E. AERONAUTICAL ENGINEERING - I.I.S.C., BANGALORE '80.

SPECIALIZATIONS : DYNAMIC STABILITY STUDIES OF AIRCRAFT; COMPUTERISED ESTIMATION OF DYNAMIC STABILITY DERIVATIVES; OF GENERAL MISSILE CONFIGURATIONS; ERECTION; INSTRUMENTATION; CALIBRATION AND TESTING; PARACHUT AERODYNAMICS AND TESTING.

EXPERIENCE : S.T.A., TECHNICAL CENTRE, CIVIL AVIATION DEPTT., NEW DELHI, 1964-65; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1966-84; SCIENTIST EI, N.A.L. SINCE JANUARY, 1984.

PRESENT ACTIVITIES : R & D IN DYNAMICS STABILITY.

LANGUAGES : TELUGU, TAMIL, KANNADA, HINDI, ENGLISH, FRENCH, GERMAN.

PUBLICATIONS & PATENTS : TECH. REPORTS - 10, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, DESIGN - 10, COMPUTER PROCESSING - 4.

6823

DR V KRISHNAMOORTHY; (B. MAY 15, 1947),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : A.M.I.E. MECHANICAL ENGINEERING - INSTITUTION OF ENGINEERS (INDIA) '69; A.M.A.E.S.I. DESIGN & PRODUCTION - AERONAUTICAL SOCIETY OF INDIA '70; M.E. HEAT POWER - MYSORE '75; PH.D. MECHANICAL ENGINEERING - I.I.T., BOMBAY '86.

SPECIALIZATIONS : HEAT TRANSFER; COMBUSTION; FLUID MECHANICS.

EXPERIENCE : JUNIOR DRAFTSMAN, SR. DRAFTSMAN, S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1965-87; SCIENTIST EI, N.A.L. SINCE MAY, 1987.

PRESENT ACTIVITIES : R & D IN HEAT TRANSFER AND FLUID FLOW IN TURBOMACHINERY.

LANGUAGES : TAMIL, HINDI, KANNADA, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 7, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 15, DESIGN - 5.

6824

SHRI K KRISHNAMURTHY; (B. JULY 16, 1946),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : L.E.E. - ANDHRA '65; B.E. ELECTRICAL - BANGALORE '79.

SPECIALIZATIONS : DEVELOPMENT OF STRAIN GAUGES; DIGITAL SIMULATION OF AIRCRAFT; COMPUTER GRAPHICS; DATA ANALYSIS.

EXPERIENCE : SENIOR DRAUGHTSMAN, J.T.A., S.T.A., SCIENTIST A1, SCIENTIST B1 AND SCIENTIST C1, N.A.L., 1965-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D IN AIRCRAFT SIMULATION (FLIGHT MECHANICS).

LANGUAGES : TELUGU, KANNADA, TAMIL, HINDI, ENGLISH.

VISITED : GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, PROCESSES DEVELOPED - 2, PATENTS TAKEN - 1, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : IMPORT SUBSTITUTION AWARD, NRDC; DR V M GHATAGE AWARD, AERONAUTICAL SOCIETY OF INDIA, 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 6, DESIGN - 24, TECH. DEV. - 24.

6825**DR V KRISHNAN; (B. JUNE 26, 1954),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '75; M.E. MECHANICAL - I.I.S.C., BANGALORE '77; PH.D. AERONAUTICAL - I.I.T., BOMBAY '91.**SPECIALIZATIONS** : FLUID MECHANICS - WIND TUNNEL TESTING; THERMAL SCIENCE; TURBOMACHINERY; INSTRUMENTATION; AERODYNAMICS.**EXPERIENCE** : SCIENTIST B AND SCIENTIST C, N.A.L., 1977-88; SCIENTIST EI, N.A.L. SINCE APRIL, 1988; (ALSO HIGHER RESEARCH IN LASER DOPPLER ANEMOMETRY, DFVLR, W. GERMANY, 1986-87).**PRESENT ACTIVITIES** : R & D IN FLUID MECHANICS.**LANGUAGES** : TAMIL, KANNADA, HINDI, TELUGU, ENGLISH, GERMAN.**VISITED** : CHINA, JAPAN, GERMANY, U S A, AUSTRALIA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 6, TECH. REPORTS - 11.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 16, APP. RES. - 16, DESIGN - 16.**6826****DR ANAND KUMAR; (B. JULY 2, 1947),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. MECHANICAL ENGINEERING - B.H.U. '68; M.TECH. MECHANICAL ENGINEERING - I.I.T., KANPUR '70; PH.D. MECHANICAL ENGINEERING - I.I.T., KANPUR '77.**SPECIALIZATIONS** : COMPUTATIONAL FLUID MECHANICS; APPLIED MATHEMATICS.**EXPERIENCE** : SCIENTIST B AND SCIENTIST C, N.A.L., 1971-83; SCIENTIST EI, N.A.L. SINCE DECEMBER, 1983; (ALSO HIGHER RESEARCH ON SOLUTION OF EULER EQUATIONS FOR VORTEX DOMINATED FLOWS, CFD AT INSTITUTE FOR DESIGN AERODYNAMICS, DFVR, BRAUNSCHWEIG, W. GERMANY, 1985-86).**PRESENT ACTIVITIES** : R & D IN COMPUTATIONAL FLUID MECHANICS.**LANGUAGES** : HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 11, TECH. REPORTS - 11, OTHERS (DIRECTORY) - 1.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 19.**6827****SHRI K J SANTHOSH KUMAR; (B. AUGUST 20, 1945),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BANGALORE '68.**SPECIALIZATIONS** : ELECTROCHEMICAL MACHINING TECHNOLOGY; PRECISION MACHINE SHOP PRACTICE; TOOL ROOM ENGINEERING.**EXPERIENCE** : INSTRUCTOR, INDIAN TELEPHONE INDUSTRIES, BANGALORE, 1964-68; ASSISTANT SUPERVISOR, M.I.C.O., BANGALORE, 1968-70; S.T.A., SCIENTIST A1, SCIENTIST B1 AND SCIENTIST C1, N.A.L., 1973-89; SCIENTIST EI, N.A.L. SINCE MARCH, 1989.**PRESENT ACTIVITIES** : R & D IN ELECTROCHEMICAL MACHINERY TECHNOLOGY.**LANGUAGES** : TELUGU, TAMIL, KANNADA, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 7, TECH. REPORTS - 7, PATENTS FILED - 1, PROCESSES DEVELOPED - 1.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 14, DESIGN - 14, TECH. DEV. - 14, PRODUCTION - 2, TOOL-ROOM ENGG. - 5.**6828****DR V ARUN KUMAR; (B. MARCH 6, 1951),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '71; M.SC. (ENGG.) MACHINE TOOL ENGINEERING - MADRAS '74; PH.D. APPLIED MECHANICS - ROTOR DYNAMICS - I.I.T., MADRAS '86.**SPECIALIZATIONS** : TURBOMACHINERY; MACHINE DESIGN; ROTOR DYNAMICS.**EXPERIENCE** : GRADUATE TRAINEE, M.I.C.O., BANGALORE, 1971-72; TECHNICAL TRAINEE, B.F.W., BANGALORE, 1974; LECTURER, M.S.R.I.T., BANGALORE, 1974-76; SCIENTIST B AND SCIENTIST C, N.A.L., 1976-86; SCIENTIST EI, N.A.L. SINCE SEPTEMBER, 1986.**PRESENT ACTIVITIES** : R & D IN MECHANICAL ASPECTS OF AIRCRAFT ENGINES.**LANGUAGES** : KANNADA, TAMIL, HINDI, TELUGU, ENGLISH.**VISITED** : CHINA, U S A, GREECE, FRANCE, U.K.**PUBLICATIONS & PATENTS** : RES. PAPERS - 28, TECH. REPORTS - 5, PATENTS - 2.**AWARDS & DISTINCTIONS** : FELLOW, INSTITUTION OF ENGINEERS (INDIA); NAL AWARD FOR OUTSTANDING PERFORMANCE, 1988.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES., APP. RES., DESIGN AND TECH. DEV. - 18, TEACHING - 2.**6829****DR M R MADHAVA; (B. APRIL 5, 1949),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - BANGALORE '70; M.TECH. MATERIALS SCIENCE AND TECHNOLOGY - I.I.S.C., BANGALORE '72; PH.D. MATERIALS SCIENCE/METAL PHYSICS - UNIVERSITY OF BATH, U.K. '77.**SPECIALIZATIONS** : MATERIALS SCIENCE AND TECHNOLOGY; NON-DESTRUCTIVE EVALUATION.**EXPERIENCE** : S.S.A., I.I.S.C., BANGALORE, 1972-73; DOCTORAL CANDIDATE AND MEMBER OF RESEARCH STAFF AT THE UNIVERSITIES OF DURHAM AND BATH, U.K., 1973-77; POST-DOCTORAL ASSOCIATE AND SCIENTIFIC OFFICER,

300

I.I.S.C., BANGALORE, 1977-79; SCIENTIST C, R.R.L., TRIVANDRUM, 1979-81; SCIENTIST C, N.A.L., 1982-85; SCIENTIST EI, N.A.L. SINCE APRIL, 1985.

PRESENT ACTIVITIES : COMPOSITE MATERIALS, STRUCTURES AND NON-DESTRUCTIVE EVALUATION.

LANGUAGES : KANNADA, ENGLISH, HINDI.

VISITED : U.K., OTHER EUROPEAN COUNTRIES.

PUBLICATIONS & PATENTS : RES. PAPERS - 35, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 18, TECH. DEV. - 12, R & D MGMT. AND TEACHING - 6.

6830

MRS PADMA MADHURANATH; (B. JULY 26, 1948),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '66; B.E. ELECTRICAL COMMUNICATION ENGINEERING - I.I.S.C., BANGALORE '69; M.SC. (ENGG.) ELECTRICAL ENGINEERING - UNIVERSITY OF ASTON, U.K. '72.

SPECIALIZATIONS : ACOUSTICS AND RADIOWAVES; FLIGHT MECHANICS AND IDENTIFICATION; DIGITAL CONTROLS; SIMULATION.

EXPERIENCE : ENGINEER, L.R.D.E., 1969-70; DEVELOPMENT ENGINEER, UNIVERSITY OF BIRMINGHAM, U.K., 1970-71; DEVELOPMENT ENGINEER, F.C.S. CONTROLS LTD., U.K. AND UNIVERSITY OF EDINBURGH, U.K., 1970-74; POOL OFFICER (CSIR), H.A.L., BANGALORE, 1976-77; SCIENTIST B AND SCIENTIST C, N.A.L., 1977-88; SCIENTIST EI, N.A.L. SINCE APRIL 1988.

PRESENT ACTIVITIES : R & D IN FLIGHT SIMULATION.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : U.K., W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 20, AWARDS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN AND TECH. DEV. - 21.

6831

MRS RENUKA DEVI MALLIKARJUNAIAH; (B. MAY 1, 1950),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '69; M.SC. PHYSICS - MYSORE '71.

SPECIALIZATIONS : MICROCOMPUTERS; DIGITAL ELECTRONICS; COMPUTER SOFTWARE DEVELOPMENT; SOFTWARE QUALITY ASSURANCE.

EXPERIENCE : LECTURER, SECONDARY SCHOOL EDUCATION BOARD, 1972; J.R.F., C.S.I.R., 1973-75; J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1975-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D IN MICROPROCESSOR BASED SYSTEMS, SOFTWARE TESTING AND SOFTWARE QUALITY ASSURANCE.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 11, ARTICLES - 1, PATENTS FILED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN AND TECH. DEV. - 21.

6832

SHRI K H MOHAN; (B. MAY 25, 1942),

SUPERINTENDENT ENGINEER (EI), NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '61; B.E. MECHANICAL - BANGALORE '66.

SPECIALIZATIONS : WIND TUNNEL AND AIRCRAFT MODELLING; PROJECT EVALUATION; PIPE SUPPORTS; ERECTION AND ASSEMBLY DRAWINGS; FUEL HANDLING.

EXPERIENCE : TECHNICIAN (TRAINEE) AND STA, CENTRAL MACHINE TOOL INSTITUTE, BANGALORE, 1967-73; MECHANICAL SUPERVISOR, SALEM NUCLEAR GENERATING STATION, UNITED ENGINEERS & CONSTRUCTORS, INC., NEW JERSEY, USA, 1973-76; MECHANICAL ENGINEER, SOUTH TEXAS NUCLEAR PROJECT, BROWN & ROOT INC. BAY CITY, TEXAS, USA, 1976-78; TECHNICAL ENGINEER, DANIEL CONSTRUCTION CO., MICHIGAN, USA, 1978-82; MECHANICAL/PIPING ENGINEER, EBASCO CONSTRUCTORS INC., TEXAS, USA, 1982-84; CONSULTANT AND SCIENTIST (EI), N.A.L., 1985-86; SUPERINTENDENT ENGINEER (EI), N.A.L. SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : FABRICATION OF WIND TUNNEL MODELS AND THEIR COMPONENTS INCLUDING SUPPORT SYSTEMS.

LANGUAGES : KANNADA, HINDI, TAMIL, ENGLISH.

VISITED : U S A

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 6, CONSTRUCTION - 6.

6833

DR MURALI MOHAN; (B. SEPTEMBER 8, 1952),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. SOLID STATE PHYSICS - BANGALORE '73; PH.D. PHYSICS - BANGALORE '94.

SPECIALIZATIONS : HIGH PRESSURE SOLID STATE PHYSICS; PRESSURE CALIBRATION; MEASUREMENT UNDER HIGH PRESSURE AND TEMPERATURE.

EXPERIENCE : LECTURER, KARNATAKA P.U.C. BOARD, 1973-75; J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L. 1975-90; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D IN HIGH PRESSURE SOLID STATE PHYSICS.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

VISITED : ITALY.

PUBLICATIONS & PATENTS : RES. PAPERS - 19, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 19, APP. RES. - 5, TEACHING - 2.

6834

DR RANJAN MOODITHAYA; (B. SEPTEMBER 7, 1948),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '68; M.SC. PHYSICS - MYSORE '70; PH.D. PHYSICS - I.I.S.C., BANGALORE '87.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION; PRECISION HARDWARE DEVELOPMENT; MAGNETICS.

EXPERIENCE : LECTURER, P.G. CENTRE, MANGALORE, 1970-72; LECTURER, GOVT. COLLEGE, MARKARA 1972-73; J.R.F., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1973-83; SCIENTIST EI, N.A.L. SINCE DECEMBER, 1983.

PRESENT ACTIVITIES : R & D IN FLIGHT CONTROLS; ENVIRONMENTAL TESTING OF SPACE VEHICLES.

LANGUAGES : KANNADA, MALAYALAM, HINDI, ENGLISH, FRENCH, GERMAN

VISITED : CANADA, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, TEACHING - 2.

6835

SHRI S J MURALIDHAR; (B. SEPTEMBER 29, 1951),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '71; M.SC. PHYSICS - B.I.T.S., PILANI '74; M.SC. (TECH.) INSTRUMENTATION - B.I.T.S., PILANI '76.

SPECIALIZATIONS : NOISE AND VIBRATION CONTROL; AIRCRAFT DATA ANALYSIS; HIGH INTENSITY ACOUSTIC TESTING.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, N.A.L., 1977-87; SCIENTIST EI, N.A.L. SINCE AUGUST 1987.

PRESENT ACTIVITIES : R & D IN VIBRATION TEST SYSTEM.

LANGUAGES : KANNADA, HINDI, PUNJABI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 3, DESIGN - 4, OPERATION - 3, COMPUTER PROCESSING - 1.

6836

DR (MRS) ARUNA V MURTHY; (B. DECEMBER 10, 1946),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '65; M.SC. PHYSICS - BANGALORE '67; M.SC. AIRCRAFT STRUCTURES - I.I.S.C., BANGALORE '72; PH.D. AIRCRAFT STRUCTURES - I.I.S.C., BANGALORE '93.

SPECIALIZATIONS : COMPOSITE STRUCTURES; FINITE ELEMENT METHOD; PARALLEL PROCESSING; STRUCTURAL ANALYSIS; SOFTWARE DEVELOPMENT.

EXPERIENCE : S.S.O. (GR-II), D.R.D.L., HYDERABAD, 1976; S.R.F., SCIENTIST B AND SCIENTIST C, N.A.L., 1977-89; SCIENTIST EI, N.A.L. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, KANNADA, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 17.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 15.

6837

SHRI N C MURTHY; (B. SEPTEMBER 23, 1940),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

6838

SHRI NAGARAJ N MURTHY; (B. AUGUST 19, 1952),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. (ENGG.) PHYSICS - BHOPAL '74; M.TECH. - I.I.S.C. '91.

SPECIALIZATIONS : INSTRUMENTATION; ELECTRONIC DESIGN; MULTIPROCESSING; D F D R DATA ANALYSIS.

EXPERIENCE : J.R.F., N.A.L., 1974-76; J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L. 1976-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : MICROPROCESSOR BASED INSTRUMENTATION, TELEMETRY, REAL TIME PROCESSING, D F D R DATA PROCESSING, DECODING AND ANALYSIS.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : TECH. REPORTS - 16, PATENTS TAKEN - 1, AWARDS - 3.

AWARDS & DISTINCTIONS : NAL FOUNDATION DAY AWARD, 1988, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 19, DESIGN - 19.

6839

SHRI S C NARAYANA MURTHY; (B. APRIL 13, 1936),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

6840

SHRI S G K MURTHY; (B. DECEMBER 15, 1942),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - ANDHRA '65; DIPLOMA IN LIBRARY SCIENCE - ANDHRA '66; ASSOCIATESHIP IN DOCUMENTATION - D.R.T.C., I.S.I., CALCUTTA '73.

SPECIALIZATIONS : LIBRARY SCIENCE AND DOCUMENTATION.

EXPERIENCE : ASSISTANT LIBRARIAN, MRS A.V.N. COLLEGE, VISAKHAPATANAM, 1966; LIBRARIAN, A.P.A.V. COLLEGE OF AGRICULTURE, BAPALTU, 1966-73; DOCUMENTATION OFFICER, U.I.T.M., BANGALORE, 1976-83; SCIENTIST C, N.A.L. 1981-86; SCIENTIST EI, N.A.L. SINCE MAY, 1986.

PRESENT ACTIVITIES : DOCUMENTATION.

LANGUAGES : TELUGU, HINDI, KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION - 21.

6841

DR S SRIDHARA MURTHY; (B. SEPTEMBER 20, 1952),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '73; M.E. AERONAUTICAL ENGINEERING - I.I.S.C., BANGALORE '75; PH.D. ENGINEERING MECHANICS - UNIVERSITY OF ARIZONA, U S A '83.

SPECIALIZATIONS : STRUCTURAL MECHANICS; FINITE ELEMENT SOFTWARE DEVELOPMENT; CAD AND STRUCTURAL OPTIMISATION; NON LINEAR STRUCTURAL ANALYSIS.

EXPERIENCE : S.R.F., DEPTT OF AERONAUTICS, I.I.S.C., BANGALORE, 1975-76; SCIENTIST B AND SCIENTIST C, N.A.L., 1976-88; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : EXPERT SYSTEM FOR DESIGN OF COMPOSITE STRUCTURES, DESIGN AND ANALYSIS OF AIR FRAME FOR LIGHT TRANSPORT AIRCRAFT.

LANGUAGES : TELUGU, KANNADA, HINDI, ENGLISH.

VISITED : U S A, SINGAPORE, GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, TECH. DEV. - 12, CONSULTANCY - 2, R & D MGMT. - 4, SOFTWARE MAINTENANCE - 4, PLANNING - 3, COMPUTER PROCESSING - 12.

6842

SHRI T V RAMA MURTHY; (B. JANUARY 20, 1952),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - BANGALORE '70; B.E. ELECTRICAL - I.I.S.C., BANGALORE '73; M.S. FLIGHT CONTROL SYSTEMS - I.I.T., MADRAS.

SPECIALIZATIONS : MICROPROCESSOR DEVELOPMENT SYSTEMS; TELEMETRY SYSTEMS.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1973-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D IN FLIGHT CONTROL SYSTEMS AND FAULT MONITORING SYSTEMS.

LANGUAGES : TELUGU, KANNADA, TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, TECH. DEV. AND COMPUTER PROCESSING - (TOTAL : 20).

6843

SHRI I R NAGANAGUDAR; (B. JULY 1, 1949),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - KARNATAK '71; M.SC. - KARNATAK '76; B.LIB.SC. - KARNATAK '76; A.D.I.S.C. - CALCUTTA '79; CERTIFICATE IN GERMAN - MYSORE '79; COMPUTER PROGRAMMING IN COBOL, FORTRAN, BASIC.

SPECIALIZATIONS : LIBRARY AND INFORMATION SCIENCE; INFORMATION MANAGEMENT OF ON-LINE INFORMATION, CD-ROM INFORMATION SERVICE; BIBLIOMETRICS; CITATION ANALYSIS; SCIENTIFIC PRODUCTIVITY MEASUREMENT; DOCUMENTATION INDEXING AND ABSTRACTING.

EXPERIENCE : SCIENTIFIC ASSISTANT, CFTRI, MYSORE, 1977-79; SUPERVISOR, L & T, BOMBAY, 1979-80; SCIENTIST, IICT, HYDERABAD 1980-91; DY. LIBRARIAN, IIT, MADRAS, 1991-92; SCIENTIST EI, N.A.L. BANGALORE SINCE MAY, 1992.

PRESENT ACTIVITIES : PROVIDING LEADERSHIP AND MANAGEMENT OF LIBRARY & INFORMATION CENTRE AND ORGANIZING CONFERENCES.

LANGUAGES : KANNADA, HINDI, ENGLISH, TELUGU.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 20

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 16.

6844

SHRI V NAGARAJAN; (B. NOVEMBER 15, 1953),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC - MADRAS '74; D.M.I.T. AERONAUTICS - MADRAS INSTITUTE OF TECHNOLOGY '77; M.E. AERODYNAMICS - I.I.S.C., BANGALORE '79.

SPECIALIZATIONS : AERODYNAMICS; DYNAMIC STABILITY.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, N.A.L., 1979-88; SCIENTIST EI, N.A.L. SINCE SEPTEMBER, 1988; (ALSO TRAINING ON MODERN DEVELOPMENT IN AERODYNAMICS, DAAD FELLOW, TECHNICAL UNIVERSITY OF DARMSTADT, W.GERMANY, 1984-86).

PRESENT ACTIVITIES : R & D IN AERODYNAMICS.

LANGUAGES : TELUGU, TAMIL, KANNADA, ENGLISH, GERMAN.

VISITED : GERMANY, U.K., FRANCE.

PUBLICATIONS & PATENTS : TECH. REPORTS - 5.

AWARDS & DISTINCTIONS : NAL AWARD, 1987 & 1993.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15.

6845**DR K S NANJUNDASWAMY; (B. JANUARY 24, 1949),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.B.B.S. - MYSORE '71.**SPECIALIZATIONS :** MEDICINE.**EXPERIENCE :** ASSISTANT SURGEON (B), N.A.L., 1977-82; SCIENTIST C, N.A.L., 1982-88; SCIENTIST EI, N.A.L. SINCE APRIL, 1988.**PRESENT ACTIVITIES :** CLINICAL.**LANGUAGES :** KANNADA, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** CLINICAL - 12.**6846****SHRI P S LAKSHMI NARASIMHAM; (B. JULY 14, 1950),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - ANDHRA '70; M.SC. ANALYTICAL CHEMISTRY - ANDHRA '72.**SPECIALIZATIONS :** INORGANIC GLASSES; ADVANCED STRUCTURAL CERAMICS; IR DETECTOR MATERIALS.**EXPERIENCE :** S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST B AND SCIENTIST C N.A.L., 1973-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.**PRESENT ACTIVITIES :** R & D IN ADVANCED STRUCTURAL CERAMICS.**LANGUAGES :** TELUGU, HINDI, KANNADA, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 11, TECH. REPORTS - 7.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 8, APP. RES. - 12.**6847****DR S V NARASIMHAN; (B. JULY 15, 1938),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '69; B.E. ELECTRICAL - I.I.S.C., BANGALORE '72; M.TECH. RADAR & COMMUNICATION - I.I.T., MADRAS '77; PH.D. SIGNAL PROCESSING - I.I.S.C., BANGALORE '88.**SPECIALIZATIONS :** RADAR COMMUNICATION; SIGNAL PROCESSING.**EXPERIENCE :** S.S.A. AND SCIENTIST B, I.S.A.C., BANGALORE 1973-75; SCIENTIST B, N.A.L., BANGALORE 1977-82; POST DOCTORAL FELLOW, CONCORDIA UNIVERSITY, CANADA 1989-91; SCIENTIST EI, N.A.L., BANGALORE SINCE JUNE, 1991.**PRESENT ACTIVITIES :** RESEARCH AND DEVELOPMENT.**LANGUAGES :** KANNADA, ENGLISH.**6848****DR C L NARAYANA; (B. JULY 15, 1938),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '60; M.SC. PHYSICS - MYSORE '62; PH.D. FLUID MECHANICS - BANGALORE '72.**SPECIALIZATIONS :** FLUID MECHANICS; AERODYNAMICS; COMPUTATIONAL AERODYNAMICS.**EXPERIENCE :** LECTURER, P.E.S. COLLEGE OF ENGINEERING, MANDYA, MYSORE, 1962-65; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1965-84; SCIENTIST EI, N.A.L. SINCE NOVEMBER, 1984.**PRESENT ACTIVITIES :** R & D.**LANGUAGES :** KANNADA, HINDI, TAMIL, TELUGU, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 5, TECH. REPORTS - 15, ARTICLES - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 5, APP. RES. - 15, TEACHING - 3, ADMN. - 2.**6849****SHRI M A PARAMESWARA; (B. DECEMBER 25, 1945),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '65; GRAD. AE.S.I. AERONAUTICAL ENGINEERING - AERONAUTICAL SOCIETY OF INDIA '70; GRAD. I.I.M. METALLURGICAL ENGINEERING - INDIAN INSTITUTE OF METALS, CALCUTTA '75.**SPECIALIZATIONS :** METALLOGRAPHY; FAILURE ANALYSIS; PHYSICAL METALLURGY.**EXPERIENCE :** S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L. 1966-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.**PRESENT ACTIVITIES :** R & D IN PHYSICAL METALLURGY.**LANGUAGES :** KANNADA, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 12, TECH. REPORTS - 20, ARTICLES - 3.**AWARDS & DISTINCTIONS :** I T MIRCHANDANI MEMORIAL RESEARCH AWARD FOR BEST RESEARCH PAPER, 1988.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 28, TESTING - 28, QLTY CONTROL - 28.**6850****SHRI S R PATIL; (B. MAY 28, 1949),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '72; M.TECH. AERONAUTICAL ENGINEERING - I.I.T., BOMBAY '78.**SPECIALIZATIONS :** AERODYNAMICS; MECHANICAL ENGINEERING.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1973-89; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D IN AERODYNAMICS.

LANGUAGES : KANNADA, ENGLISH, HINDI, MARATHI, KANNADA.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, DESIGN - 7, TECH. DEV. - 6.

6851

SHRI AITHU POOJARY; (B. JULY 3, 1947),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '69; M.SC. PHYSICS - MYSORE '71.

SPECIALIZATIONS : ELECTRIC INSTRUMENTATION; ELECTRONICS.

EXPERIENCE : J.R.F., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L. 1972-89; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : TECHNOLOGY TRANSFER.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, PATENTS - 1, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, TECHNOLOGY TRANSFER - 6.

6852

SHRI A POURASSAMY; (B. MAY 14, 1948),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN CHEMICAL TECHNOLOGY - INSTITUTE OF CHEMICAL TECHNOLOGY, MADRAS '68; A.M.I.I.C.H.E. CHEMICAL - INDIAN INSTITUTE OF CHEMICAL ENGINEERS '78.

SPECIALIZATIONS : ELECTROCHEMICAL MACHINING TECHNOLOGY; CHEMICAL ENGINEERING.

EXPERIENCE : S.L.A., C.E.C.R.I., KARAIKUDI, 1970-73; J.T.A., SCIENTIST A AND SCIENTIST B, AND SCIENTIST C, N.A.L. 1973-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D IN ELECTROCHEMICAL MACHINING TECHNOLOGY.

LANGUAGES : TAMIL, KANNADA, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 9, PATENTS TAKEN - 4, PATENTS FILED - 1, PROCESSES DEVELOPED - 7, PROCESSES UNDER UTILIZATION - 2.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE 1988, 1991, 1993.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, DESIGN - 8, TECH. DEV. - 24.

6853

DR DINESH K PRABHU; (B. MAY 14, 1959),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AERONAUTICAL ENGINEERING - I.I.T., MADRAS '81; M.S. AEROSPACE ENGINEERING - IOWA STATE UNIVERSITY, U S A '85; PH.D. AEROSPACE ENGINEERING - IOWA STATE UNIVERSITY, U S A '87.

SPECIALIZATIONS : COMPUTATIONAL FLUID MECHANICS; CONTROLS/OPTIMIZATION; COMPUTER SOFTWARE; STRUCTURES.

EXPERIENCE : RESEARCH SCIENTIST, ELORET INSTITUTE, USA, 1987-92; SCIENTIST EI, N.A.L. SINCE AUGUST, 1992.

PRESENT ACTIVITIES : COMPUTATIONAL FLUID DYNAMICS.

LANGUAGES : KONKANI, ENGLISH, KANNADA, HINDI, URDU.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 5.

6854

SHRI K R PRAKASH; (B. MAY 16, 1944)),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '67.

SPECIALIZATIONS : PROJECT ENGINEERING; STANDARDISATION AND TOOLING; R & D ENGINEERING/MANUFACTURE; PRODUCTION PLANNING.

EXPERIENCE : TRAINEE, HYGRODYN PVT. LTD., MADRAS, 1968; MARKETING ASSISTANT, KIRLOSKAR CONSULTANTS, PUNE, 1968; TRAINEE ENGINEER AND JUNIOR ENGINEER, MAHINDRA OWEN LTD., PUNE, 1969-72; ASSISTANT ENGINEER, SPACO CARBURETTORS, PUNE, 1973; ASSISTANT ENGINEER, HERBERT INDIA, BANGALORE, 1973-79; SCIENTIST B AND SCIENTIST C, N.A.L., 1979-89; SCIENTIST EI, N.A.L. SINCE MAY, 1989.

PRESENT ACTIVITIES : DESIGN, DEVELOPMENT AND FABRICATION OF R & D EQUIPMENTS FOR AEROSPACE ENGINEERING.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : PLANNING - 10, R & D - 10, DESIGN - 2, TECHNICAL DEV. - 5, PRODUCTION - 3.

6855

DR A PRANESH; (B. APRIL 7, 1955),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : MBBS - BANGALORE '78.

SPECIALIZATIONS : MEDICINE.

EXPERIENCE : ASSISTANT SURGEON (B), ASSISTANT SURGEON (C) AND SCIENTIST C, N.A.L., 1980-90; SCIENTIST EI, N.A.L. SINCE SEPTEMBER, 1990.

PRESENT ACTIVITIES : CLINICAL.

LANGUAGES : KANNADA, HINDI, TELUGU, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CLINICAL - 9.

6856

SHRI B S RADHAKRISHNA; (B. MARCH 16, 1947),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - BANGALORE '68; M.TECH. MECHANICAL ENGINEERING - I.I.T., BOMBAY '70; M.S. MECHANICAL ENGINEERING - STATE UNIVERSITY OF NEW YORK, U S A '71.

SPECIALIZATIONS : AIRCRAFT STRUCTURES.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, N.A.L., 1973-84; SCIENTIST EI, N.A.L. SINCE OCTOBER, 1984.

PRESENT ACTIVITIES : R & D.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : U S A

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 13, TECHNICAL DEV. - 3.

6857

SHRI E RAJAGOPALAN; (B. JANUARY 1, 1944),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '79.

SPECIALIZATIONS : COMPUTER SOFTWARE DEVELOPMENT; N C PROGRAMMING AND MODEL FABRICATION.

EXPERIENCE : S.L.A., J.S.A., S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L. 1962-87; SCIENTIST EI, N.A.L. SINCE JULY, 1987.

PRESENT ACTIVITIES : COMPUER SOFTWARE DEVELOPMENT AND N C PROGRAMMING & MODEL FABRICATION.

LANGUAGES : TAMIL, TELUGU, KANNADA, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 20, TECH. DEV. - 20, OPERATION - 3, COMPUTER PROCESSING AND SOFTWARE DEVELOPMENT - 20.

6858

MRS K S RAJAM; (B. JUNE 12, 1949),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADURAI '69; M.SC. CHEMISTRY - MADURAI '71.

SPECIALIZATIONS : CHEMISTRY; METAL FINISHING; ELECTROCHEMISTRY.

EXPERIENCE : LECTURER, HOLY CROSS COLLEGE, TRICHY, 1971-73; J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1974-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D IN METAL FINISHING.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 3, PATENTS FILED - 2, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 13, TECH. DEV. - 13.

6859

SHRI D RAJANNA; (B. AUGUST 24, 1939),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. PHYSICS - KARNATAK '64.

SPECIALIZATIONS : TRANSDUCER TECHNOLOGY; ELECTRON BEAM WELDING.

EXPERIENCE : LECTURER, D.R.M. COLLEGE, DAVANGERE, 1964-65; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1965-85; (ALSO HIGHER TRAINING IN TRANSDUCER TECHNOLOGY, U.K., 1975-76 AND IN ELECTRON BEAM WELDING, U.K., 1979); SCIENTIST EI, N.A.L. SINCE OCTOBER, 1985.

PRESENT ACTIVITIES : R & D IN TRANSDUCER TECHNOLOGY.

LANGUAGES : KANNADA, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 5, PATENTS TAKEN - 1, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DISPLACEMENT TRANSDUCER LVDT TYPE, 1968; NRDC AWARD FOR DEVELOPING SATTELITE BALANCING MACHINE FOR 'ARYABHATA', 1976; NRDC AWARD FOR DEVELOPMENT OF LINEAR POSITION TRANSDUCER, 1979.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, TECH. DEV., PILOT PLANT, CONSULTANCY, R & D MGMT., CONSTRUCTION, OPERATION, TESTING AND TECHNOLOGY TRANSFER - (TOTAL: 24 YEARS).

6860

DR N RAJAPPA; (B. OCTOBER 3, 1940),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. MATHEMATICS - MADRAS '62; PH.D. MATHEMATICS - MADRAS '77.

SPECIALIZATIONS : COMPUTATIONAL AERODYNAMICS; NUMERICAL ANALYSIS; SATELLITE ORBITAL MECHANICS; SPACE PHYSICS; PARALLEL COMPUTATIONAL ALGORITHMS FOR EFFICIENT USE OF PARALLEL COMPUTERS.

EXPERIENCE : J.R.F., N.A.L., 1962-64; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1962-85; (ALSO TRAINING IN THEORETICAL AERODYNAMICS, U.K., 1968-69); SCIENTIST EI, N.A.L. SINCE AUGUST, 1985.

PRESENT ACTIVITIES : R & D IN APPLICATION OF DIGITAL COMPUTERS FOR ADVANCED AERODYNAMICS.

LANGUAGES : TAMIL, SANSKRIT, HINDI, ENGLISH, GERMAN.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 30, APP. RES. - 30, COMPUTER PROCESSING - 28.

6861

SHRI S RAMACHADRAN; (B. JULY 24, 1942),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '62; M.SC. PHYSICS - MADRAS '64; M.SC. (ENGG.) AERONAUTICAL- I.I.SC., BANGALORE '82.

SPECIALIZATIONS : AERODYNAMICS; PHYSICS; COMPUTER SOFTWARE DEVELOPMENT.

EXPERIENCE : J.R.F., C.E.C.R.I., KARAUKUDI, 1964-66; S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1971-85; SCIENTIST EI, N.A.L. SINCE AUGUST, 1985.

PRESENT ACTIVITIES : R & D IN AERODYNAMICS.

LANGUAGES : TAMIL, HINDI, KANNADA, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 25.

6862

SHRI D S RAMAKRISHNA; (B. APRIL 1, 1955),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRONICS & COMMUNICATION - BANGALORE '77.

SPECIALIZATIONS : EXPERIMENTAL STRUCTURAL ANALYSIS; ELECTRONIC COMMUNICATION; SYSTEM DEVELOPMENT.

EXPERIENCE : GRADUATE APPRENTICE, B.E.L., BANGALORE, 1978-79; S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1979-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : EXPERIMENTAL STRUCTURAL DYNAMIC ANALYSIS.

LANGUAGES : KANNADA, TELUGU, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 10.

AWARDS & DISTINCTIONS : NAL FOUNDATION DAY AWARD FOR OUTSTANDING CONTRIBUTION IN DEVELOPMENT & DESIGN OF CAVITAS.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, TESTING - 6.

6863

SHRI M R RAMAMURTHY; (B. JUNE 17, 1945),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '64; B.E. ELECTRICAL - MYSORE '68; M.TECH. AERONAUTICAL ENGINEERING - I.I.T., MADRAS '82.

SPECIALIZATIONS : INSTRUMENTATION; VIBRATION TESTING; AEROSTATIC TESTING; SIGNAL ANALYSIS.

EXPERIENCE : J.S.A., S.T.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1970-88; SCIENTIST EI, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : KANNADA, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 22.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TESTING - 15.

6864

DR S RAMAMURTHY; (B. APRIL 25, 1951),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '72; M.E. MECHANICAL - I.I.SC., BANGALORE '75; PH.D. TURBOMACHINES - I.I.T., MADRAS '91.

SPECIALIZATIONS : TURBOMACHINES.

EXPERIENCE : RESEARCH FELLOW, I.I.SC., BANGALORE 1975-77; SCIENTIST B AND SCIENTIST C, N.A.L., 1977-88; SCIENTIST EI, N.A.L. SINCE 1988.

PRESENT ACTIVITIES : RESEARCH AND DEVELOPMENT.

LANGUAGES : TAMIL, ENGLISH, KANNADA, TELUGU, HINDI.

VISITED : JAPAN, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 15, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 18, APP. RES. - 18, OPERATION - 10, DOCUMENTATION - 15, DESIGN - 18, TESTING - 18, TECH. DEV. - 10, MAINTENANCE - 10, PRODUCTION - 5, R & D MANAGEMENT - 5.

6865

SHRI K S RAMAN; (B. MAY 20, 1955),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '76; M.E. AERONAUTICS - I.I.SC., BANGALORE '78.

SPECIALIZATIONS : MECHANICAL ENGINEERING; AERODYNAMICS.

EXPERIENCE : PROJECT ASSISTANT, I.I.SC., BANGALORE, 1978-79; SCIENTIST B AND SCIENTIST C, N.A.L. 1979-90; SCIENTIST EI, N.A.L. SINCE AUGUST, 1984; (ALSO HIGHER TRAINING IN WIND TUNNELLING AS DAAD FELLOW, W. GERMANY, 1986-87).

PRESENT ACTIVITIES : R & D IN EXPERIMENTAL AERODYNAMICS.

LANGUAGES : TAMIL, KANNADA, TELUGU, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, HONG KONG.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 9, SCIENTIFIC ARTICLES - 60 (IN KANNADA).

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10.

6866**DR P S RAMAN; (B. SEPTEMBER 26, 1947),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - KERALA '67; M.SC. CHEMISTRY - KERALA '69; PH.D. POLYMER CHEMISTRY - I.I.T., MADRAS '74.**SPECIALIZATIONS** : POLYMERS, PLASTICS, RESINS, COMPOSITES; NONDESTRUCTIVE TESTING; COMBUSTION AND FUELS.**EXPERIENCE** : JUNIOR LECTURER, ST. THOMAS COLLEGE, TRICHUR, KERALA, 1969-70; LECTURER, P.S.G. COLLEGE, COIMBATORE, 1975; SCIENTIST B AND SCIENTIST C, N.A.L. 1975-85; SCIENTIST EI, N.A.L. SINCE AUGUST, 1985.**PRESENT ACTIVITIES** : R & D IN POLYMERS & COMBUSTION.**LANGUAGES** : MALAYALAM; TAMIL, SANSKRIT, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 6, TECH. REPORTS - 11, POPULAR ARTICLES - 3.**AWARDS & DISTINCTIONS** : NRDC AWARD FOR OUTSTANDING WORK ON POLYARAMID FIBERS, 1986.**PROFESSIONAL EXPERIENCE (IN YEARS)** : BASIC RES. - 5, APP. RES. - 19, TEACHING - 1.**6867****DR (MRS) SHEELA K RAMASESHA; (B.),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '74; M.SC. CHEMISTRY - BANGALORE '76; PH.D. SOLID STATE CHEMISTRY - I.I.S.C., BANGALORE '79.**SPECIALIZATIONS** : SOLID STATE CHEMISTRY AND PHYSICS.**EXPERIENCE** : R.A., UNIV. OF OXFORD, U.K. 1979-81; R.A., L.S. UNIV. AND PRINCETON UNIV., U.S.A. 1982-84; POOL OFFICER AND R.A., I.I.S.C., BANGALORE 1984-89; SCIENTIST EI, N.A.L. SINCE JANUARY, 1989.**PRESENT ACTIVITIES** : RESEARCH.**LANGUAGES** : KANNADA, MARATHI, TELUGU, HINDI.**VISITED** : U.K., U.S.A.**6868****SHRI M P RAMESH; (B. MAY 23, 1952),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - KARNATAKA '70; B.E. MECHANICAL - BANGALORE '75; M.E. MECHANICAL - I.I.S.C., BANGALORE '77; M.SC. RENEWABLE ENERGY - OLDENBURG UNIV., W. GERMANY, '89.**SPECIALIZATIONS** : MACHINE DESIGN; PRODUCT DEVELOPMENT; WIND ENERGY; HYDRAULIC SYSTEMS DESIGN.**EXPERIENCE** : P.G. TRAINEE, TELCO, POONA, 1977 - 79; SCIENTIST B AND SCIENTIST C, N.A.L. 1979-89; SCIENTIST EI, N.A.L. SINCE AUGUST, 1989.**PRESENT ACTIVITIES** : DESIGN, DEVELOPMENT AND TESTING OF ENERGY SYSTEMS.**LANGUAGES** : KANNADA, HINDI, ENGLISH.**VISITED** : AUSTRALIA, DENMARK, NETHERLANDS, GERMANY.**PUBLICATIONS & PATENTS** : TECH. REPORTS - 1, TECH. REPORTS - 14.**PROFESSIONAL EXPERIENCE (IN YEARS)** : APP. RES. - 3, DESIGN - 3, TECH. DEV. - 4, TESTING - 1, SURVEY OF NATURAL RESOURCES - 3, COMPUTER PROCESSING - 1.**6869****SHRI N R RAMESH; (B. MARCH 1, 1946),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '70; M.S. MECHANICAL ENGINEERING - I.I.T., MADRAS '82.**SPECIALIZATIONS** : LIQUID FUEL AUTOMIZATION AND COMBUSTION; COMBUSTION AND GAS DYNAMICS IN GAS TURBINE ENGINES; DESIGN OF EXPERIMENTAL TEST FACILITIES; LOW GRADE HEAT RECOVERY TURBO PACK SYSTEMS.**EXPERIENCE** : ASSISTANT ENGINEER, AVALON PRODUCTS PVT. LTD., BANGALORE, 1970-72; JUNIOR ENGINEER, MOTOR INDUSTRIES CO. LTD., BANGALORE, 1972-73; S.T.A., SCIENTIST BI AND SCIENTIST CI, N.A.L., 1973-87; SCIENTIST EI, N.A.L. SINCE JUNE, 1987.**PRESENT ACTIVITIES** : APPLIED RESEARCH & TESTING OF GAS TURBINE ENGINES AND ENERGY CONVERSION.**LANGUAGES** : KANNADA, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 4, TECH. REPORTS - 4, PROCESSES UNDER UTILISATION - 1.**PROFESSIONAL EXPERIENCE (IN YEARS)** : BASIC RES. - 3, APP. RES. - 3, DESIGN - 3, TECH. DEV. - 3, PILOT PLANT - 3, OPERATION - 2, TESTING - 3.**6870****DR R M V GOPALA KRISHNA RAO; (B. AUGUST 10, 1947),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - ANDHRA '70; M.TECH. CHEMICAL ENGINEERING - I.I.T., MADRAS '72; PH.D. CHEMICAL ENGINEERING (POLYMER COMPOSITES) - I.I.S.C., BANGALORE '83.**SPECIALIZATIONS** : POLYMER COMPOSITES; PRODUCT DEVELOPMENT.**EXPERIENCE** : DEVELOPMENT ENGINEER, M/S UNILAM PVT. LTD., MADRAS, 1972-73; S.R.F., I.I.T., MADRAS, 1973; SCIENTIST B AND SCIENTIST C, N.A.L., 1973-85; SCIENTIST EI, N.A.L. SINCE NOVEMBER, 1985.**PRESENT ACTIVITIES** : R & D IN COMPOSITE MATERIALS.**LANGUAGES** : TELUGU, KANNADA, TAMIL, HINDI, MARATHI, ENGLISH, GERMAN.**VISITED** : U.S.A.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 12, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, DESIGN - 5, PILOT PLANT - 12, CONSULTANCY - 9, TESTING - 3, QUALITY CONTROL - 12, TECHNOLOGY TRANSFER - 9.

6871

SHRI RAVINDRA U RAO; (B. FEBRUARY 14, 1943),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BOMBAY '64; A.M.A.E.S.I. AERODYNAMICS - AERONAUTICAL SOCIETY OF INDIA '76.

SPECIALIZATIONS : COMPUTER PROCESSING; AERODYNAMICS.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1965-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : COMPUTER SOFTWARE DEVELOPEMENT.

LANGUAGES : KONKANI, KANNADA, MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, OPERATION - 5, COMPUTER PROCESSING - 27.

6872

SHRI T V SHANKARANARAYANA RAO; (B. OCTOBER 8, 1941),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '62; GRAD. I.E.T.E. - INSTITUTION OF ELECTRONICS & TELECOMMUNICATION ENGINEERS (INDIA) '72.

SPECIALIZATIONS : POWER ELECTRONICS; MICROPROCESSOR BASED CONTROL SYSTEMS.

EXPERIENCE : DEMONSTRATOR, SARADAVILAS COLLEGE, MYSORE, 1962-65; S.L.A., J.S.A., S.S.A. SCIENTIST B AND SCIENTIST C, N.A.L., 1965-90; SCIENTIST EI, N.A.L. SINCE 1990.

PRESENT ACTIVITIES : R & D IN MICROPROCESSOR BASED POWER ELECTRONICS.

LANGUAGES : KANNADA, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 6, TECH. DEV. - 8, TESTING - 8, TEACHING - 3.

6873

SHRI U VENKAT RAO; (B. AUGUST 16, 1939),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '60; A.M.I.E. MECHANICAL ENGINEERING - INSTITUTION OF ENGINEERS (INDIA) '68.

SPECIALIZATIONS : PRECISION FABRICATION; METROLOGY; INSTRUMENTATION.

EXPERIENCE : APPRENTICESHIP, SENIOR FITTER MECHANIC, MECHANICAL ASSISTANT, S.T.A., SCIENTIST B1 AND SCIENTIST C1, N.A.L., 1963-84; SCIENTIST EI, N.A.L. SINCE OCTOBER, 1984.

PRESENT ACTIVITIES : DESIGN, DEVELOPMENT, FABRICATION AND METROLOGY.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN & TECH. DEV. - 14, QUALITY CONTROL - 10.

6874

DR K S RAVICHANDRAN; (B. JUNE 28, 1949),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL ENGG. - BURDWAN W.B. '72; M.S. THERMAL TURBOMACHINES - I.I.T., MADRAS '76; PH.D. MECHANICAL ENGINEERING COMPUTATIONAL FLUID DYNAMICS - I.I.T., KANPUR '84.

SPECIALIZATIONS : COMPUTATIONAL FLUID DYNAMICS; DIFFERENTIAL EQUATIONS/NUMERICAL ANALYSIS.

EXPERIENCE : SCIENTIST A AND RESEARCH ASSOCIATE, 1975-84; SCIENTIST C, N.A.L., 1984-89; SCIENTIST EI, N.A.L. SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : R & D IN COMPUTATIONAL FLUID DYNAMICS.

LANGUAGES : TAMIL, BENGALI, HINDI, KANNADA, ENGLISH.

VISITED : U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 14.

AWARDS & DISTINCTIONS : NAL ANNUAL AWARD FOR OUTSTANDING PERFORMANCE, 1986.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 15, TEACHING - 1.

6875

SHRI RAJAGOPAL REDDY; (B. NOVEMBER 10, 1935),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '60; CERTIFICATE IN HORTICULTURE - KARNATAKA '60.

SPECIALIZATIONS : HORTICULTURE.

EXPERIENCE : HORTICULTURAL OVERSEER, S.T.A., SCIENTIST AI, SCIENTIST BI AND SCIENTIST C, N.A.L., 1964-89; SCIENTIST EI, N.A.L. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : R & D IN GARDENS & THEIR MANAGEMENT.

LANGUAGES : TELUGU, KANNADA, HINDI, ENGLISH.

AWARDS & DISTINCTIONS : RAMSON ROLLING CUP FOR BEST GARDENS & EXHIBITION, HORTICULTURAL SOCIETY OF LALBAGH, BANGALORE, 1969.

PROFESSIONAL EXPERIENCE(IN YEARS) : GARDEN DEVELOPMENT - 25.

6876**SHRI MD ARIF SAIT; (B. NOVEMBER 5, 1939),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - KARNATAKA '60.**SPECIALIZATIONS** : MECHANICAL ENGINEERING; AIRCRAFT MODEL FABRICATION.**EXPERIENCE** : JR. FITTER/MECH., SR. FITTER/MECH., J.T.A., SENIOR MECHANICAL FOREMAN, SCIENTIST B1 AND SCIENTIST C1, N.A.L. 1960-88; SCIENTIST EI, N.A.L. SINCE DECEMBER, 1988.**PRESENT ACTIVITIES** : FABRICATION OF AIRCRAFT MODELS.**LANGUAGES** : URDU, HINDI, KANNADA, ENGLISH.**VISITED** : U.K.**PUBLICATIONS & PATENTS** : RES. PAPERS - 1.**AWARDS & DISTINCTIONS** : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1988, 1990, 199**PROFESSIONAL EXPERIENCE(IN YEARS)** : PRODUCTION - 27, PLANNING - 6.**6877****DR N SANKAR; (B. APRIL 14, 1942),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. PHYSICS - MADRAS '64; PH.D. PHYSICS - I.I.T., MADRAS.**SPECIALIZATIONS** : ELECTRONICS; CYTOGENETICS; TRANSDUCERS.**EXPERIENCE** : LECTURER, P.S.G. ARTS COLLEGE, 1964-65; LECTURER, ALAGAPPA COLLEGE, KARAIKUDI, 1965-75; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1975-89; SCIENTIST EI, N.A.L., SINCE JUNE, 1989.**PRESENT ACTIVITIES** : R & D.**LANGUAGES** : TAMIL, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 5, TECH. REPORTS - 5.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 18, BASIC RES. - 1, TEACHING - 10.**6878****SHRI A SANTHARAM; (B. APRIL 15, 1946),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - MADRAS '67; M.E. ELECTRICAL - I.I.S.C., BANGALORE '69.**SPECIALIZATIONS** : FLIGHT SIMULATION; COMPUTER SYSTEMS; FLIGHT CONTROLS.**EXPERIENCE** : LECTURER, COIMBATORE INSTITUTE OF TECHNOLOGY, 1970-71; S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1970-85; SCIENTIST EI, N.A.L. SINCE OCTOBER, 1985; (ALSO HIGHER TRAINING IN FLIGHT CONTROLS, W. GERMANY, SEPT-NOV., 1986).**PRESENT ACTIVITIES** : R & D IN FLIGHT CONTROL.**LANGUAGES** : TELUGU, TAMIL, KANNADA, ENGLISH.**VISITED** : W. GERMANY.**PUBLICATIONS & PATENTS** : RES PAPERS -2, TECH. REPORTS - 7.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 16, TEACHING-1.**6879****SHRI C V SRINATHA SASTRY; (B. SEPTEMBER 6, 1944),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. MATHEMATICS - MYSORE '67.**SPECIALIZATIONS** : APPLIED MATHEMATICS; FLIGHT MECHANICS; COMPUTER GRAPHICS; POPULAR SCIENCE EDITING.**EXPERIENCE** : HEAD, DEPTT. OF MATHEMATICS, SRI J.C.B.M. COLLEGE SRINGERI, KARNATAKA, 1967-73; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1973-91; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1991.**PRESENT ACTIVITIES** : R & D IN AIRCRAFT FLIGHT SIMULATION.**LANGUAGES** : KANNADA, HINDI, SANSKRIT, TELUGU, ENGLISH.**PUBLICATIONS & PATENTS** : TECH. REPORTS - 14, ARTICLES - 8, POPULAR SCIENCE BOOK - 2, RADIO TALKS - 10.**AWARDS & DISTINCTIONS** : NAL FOUNDATION DAY AWARD FOR DEVELOPEMENT OF SOFTWARE FOR AIRCRAFT STABILITY CONTROL, 1987; NAL AWARD FOR OUTSTANDING RESEARCH IN ASWAC SIMULATION, 1990.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 20, TEACHING - 6, EDITING - 14, COMPUTER PROCESSING - 20.**6880****SHRI S SELVARAJAN; (B. FEBRUARY 9, 1958),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MADRAS '80; M.S. AERONAUTICAL ENGINEERING - I.I.T., MADRAS '84.**SPECIALIZATIONS** : WIND TUNNEL EXPERIMENTATION; COMPUTATIONAL FLUID DYNAMICS; FLOW INDUCED VIBRATIONS; TRANSITIONAL FLOW STUDIES.**EXPERIENCE** : SCIENTIST B AND SCIENTIST C, N.A.L., 1983-91; SCIENTIST EI, N.A.L. SINCE JANUARY, 1991. (ALSO DAAD FELLOW FOR ADVANCED RESEARCH, UNDER GERMAN EXCHANGE PROGRAMME, 1990-91).**PRESENT ACTIVITIES** : WIND TUNNEL STUDIES; COMPUTATIONAL FLUID DYNAMICS.**LANGUAGES** : TAMIL, ENGLISH, GERMAN.**VISITED** : GERMAN, U.K.**PUBLICATIONS & PATENTS** : RES. PAPERS - 6, TECH. REPORTS - 12.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 8, PILOT PLANT - 3.

6881**SHRI R SESHADRI; (B. DECEMBER 1, 1947),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '69.**SPECIALIZATIONS** : MECHANICAL ENGINEERING; POWDER METALLURGY OF TITANIUM ALLOYS.**EXPERIENCE** : ENGINEER, MYSORE MACHINERY MANUFACTURES LTD., BANGALORE, 1969-72; SCIENTIST A1, SCIENTIST B1 AND SCIENTIST C, N.A.L., 1973-87; SCIENTIST EI, N.A.L. SINCE JANUARY, 1987.**PRESENT ACTIVITIES** : DESIGN, DEVELOPMENT, PROCESSING AND ANALYSIS OF RAPID SOLIDIFICATION OF TITANIUM ALLOYS.**LANGUAGES** : TAMIL, KANNADA, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 4, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 1.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 4, DESIGN - 13, TECH. DEV. - 13, CONSTRUCTION - 4, OPERATION - 4.**6882****MRS VIJAYLAXMI SHANKAR; (B. MAY 15, 1946),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - MYSORE '67; M.E. ELECTRONICS AND COMPUTER SCIENCE - KATHOLIEKE UNIVERSITY, BELGIUM '75.**SPECIALIZATIONS** : DIGITAL CIRCUITS; MICROPROCESSOR BASED SYSTEMS AND PERIPHERALS.**EXPERIENCE** : JUNIOR ENGINEER, MYSORE STATE ELECTRICITY BOARD, 1967-68; J.S.A., POOL OFFICER (CSIR), SCIENTIST B AND SCIENTIST C, N.A.L. 1968-87; SCIENTIST EI, N.A.L. SINCE OCTOBER, 1987.**PRESENT ACTIVITIES** : R & D IN ELECTRONICS - MICROPROCESSOR AND PC-BASED APPLICATIONS.**LANGUAGES** : KANNADA, HINDI, ENGLISH, DUTCH, FRENCH.**VISITED** : BELGIUM, THE NETHERLANDS, FRANCE, GERMANY, U.K.**PUBLICATIONS & PATENTS** : RES. PAPERS - 10, TECH. REPORTS - 15.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 19, DESIGN - 22, TECH. DEV. - 22.**6883****SHRI S SUBBARAMA SHARMA; (B. AUGUST 14, 1940),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : L.M.E. MECHANICAL - POLYTECHNIC '59.**SPECIALIZATIONS** : ERECTION AND MAINTENANCE OF HEAVY DUTY COMPRESSORS.**EXPERIENCE** : GRADUATE APPRENTICE, SENIOR FITTER MECHANIC, J.S.A., SENIOR MECHANIC FOREMAN, SCIENTIST

A, SCIENTIST B AND SCIENTIST C, N.A.L. 1961-90; SCIENTIST EI, N.A.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : ERECTION AND MAINTENANCE.**LANGUAGES** : KANNADA, HINDI, TELUGU, TAMIL, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : DESIGN - 3, TECH.DEV. - 10, OPERATION - 5, TESTING - 2, MAINTENANCE - 3, PLANNING - 3, ADMN. - 1.**6884****SHRI C CHANDRA SHEKHAR; (B. JUNE 8, 1949),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '72.**SPECIALIZATIONS** : PLANT MAINTENANCE; CONSTRUCTION ENGINEERING.**EXPERIENCE** : TRAINEE, M/S. INTERNATIONAL INSTRUMENTS PVT. LTD., BANGALORE, 1973; S.T.A., SCIENTIST B1 AND SCIENTIST C, N.A.L., 1973-89; SCIENTIST EI, N.A.L. SINCE APRIL, 1989.**PRESENT ACTIVITIES** : DESIGN AND FABRICATION OF PLANTS.**LANGUAGES** : KANNADA, TAMIL, TELUGU, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. 21, DESIGN - 2, TECH. DEV. - 2, CONSTRUCTION - 10, MAINTENANCE - 3, PLANNING - 2.**6885****DR T R SHEMBHARKAR; (B. APRIL 13, 1949),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - RAVISHANKAR '71; M.E. MECHANICAL - I.I.S.C., BANGALORE '73; PH.D. MECHANICAL ENGINEERING (HEAT TRANSFER) - I.I.S.C., BANGALORE '85.**SPECIALIZATIONS** : HEAT TRANSFER; FLUID MECHANICS; COMPUTATIONAL METHODS; COMBUSTION.**EXPERIENCE** : SCIENTIST B, N.A.L. 1979-84; SCIENTIST EI, N.A.L. SINCE SEPTEMBER, 1984.**PRESENT ACTIVITIES** : R & D IN HEAT TRANSFER.**LANGUAGES** : MARATHI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 9, TECH. REPORTS - 5.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 16, APP. RES. - 10.**6886****DR S R SIDDALINGAPPA; (B. NOVEMBER 30, 1939),**

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - MYSORE '63; M.TECH. AERONAUTICS - I.I.T., KANPUR '71; PH.D. AERONAUTICAL ENGINEERING - UNIVERSITY OF LONDON, U.K. '80.

SPECIALIZATIONS : UNSTEADY AERODYNAMICS; AIR INTAKES; WIND TUNNEL TESTING.

EXPERIENCE : JUNIOR ENGINEER, HYDRO ELECTRIC CONSTRUCTION PROJECTS, BANGALORE, 1964-65; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., BANGALORE, 1965-83; SCIENTIST EI, N.A.L. SINCE JANUARY, 1983.

PRESENT ACTIVITIES : R & D IN AERODYNAMICS.

LANGUAGES : KANNADA, TAMIL, TELUGU, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, APP. RES. - 20, R & D MGMT. - 5, COMPUTER PROCESSING - 2.

6887

SHRI K V SRIKANTAN; (B. OCTOBER 15, 1946),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - KARNATAKA '65; A.M.I.E. ELECTRICAL - INSTITUTION OF ENGINEERS (INDIA) '67; A.M.I.E. ELECTRONICS & TELECOMMUNICATION - INSTITUTION OF ENGINEERS (INDIA) '69.

SPECIALIZATIONS : ELECTRONICS; INSTRUMENTATION; CONTROL SYSTEMS; ELECTRICAL ENGINEERING.

EXPERIENCE : J.T.A., S.S.A, SCIENTIST A, SCIENTIST B1 AND SCIENTIST C, N.A.L., 1968-87; SCIENTIST EI, N.A.L. SINCE JULY, 1987.

PRESENT ACTIVITIES : INSTRUMENTATION AND CONTROL SYSTEMS IN WIND TUNNEL TESTING.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : TECH. REPORTS - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 10, TECHNICAL DEV. - 10, OPERATION - 20, TESTING - 20, MAINTENANCE - 20, ADMN. - 10.

6888

SHRI A SUBRAMANIAN; (B. JULY 15, 1943),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : LICENTIATE IN MECHANICAL ENGINEERING - MADRAS '63; A.M.I.E. MECHANICAL ENGINEERING - INSTITUTION OF ENGINEERS (INDIA) '71; A.M.A.E.S.I. AERONAUTICS - AERONAUTICAL SOCIETY OF INDIA '71; M.E. AERONAUTICS - M.I.T. '84.

SPECIALIZATIONS : AIRCRAFT STRUCTURES.

EXPERIENCE : J.T.A., C.M.E.R.I., DURGAPUR, 1963-65; S.S.A., J.S.O., SCIENTIST B AND SCIENTIST C, N.A.L., 1965-86; SCIENTIST EI, N.A.L. SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 26.

6889

SHRI S SUNDARAM; (B. MAY 16, 1950),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '72; M.S. AERONAUTICAL ENGINEERING - I.I.T., MADRAS '84; PH.D. AEROSPACE ENGINEERING - '92.

SPECIALIZATIONS : EXPERIMENTAL FLUID MECHANICS; MECHANICAL ENGINEERING.

EXPERIENCE : S.S.A., SCIENTIST B1 AND SCIENTIST C, N.A.L., 1973-88; SCIENTIST EI, N.A.L. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : R & D IN EXPERIMENTAL FLUID MECHANICS.

LANGUAGES : TAMIL, HINDI, KANNADA, ENGLISH.

VISITED : FRANCE, W.GERMANY, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 12, JOURNAL - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, DESIGN - 4, TECHNICAL DEV. - 6.

6890

SHRI B G SURYANARAYANA; (B. MAY 13, 1937),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '59; M.E. MECHANICAL - BANGALORE '82.

SPECIALIZATIONS : WIND TUNNEL DESIGN AND DEVELOPMENT; MECHANICAL DESIGN; HYDRAULIC & PNEUMATIC SYSTEMS; COMPOSITE STRUCTURES.

EXPERIENCE : S.T.A., I.I.S.C., BANGALORE, 1959-61; S.S.A., SCIENTIST A1, SCIENTIST B1 AND SCIENTIST C1, N.A.L., 1961-84; (ALSO ADVANCED TRAINING IN WIND TUNNEL DESIGN, CANADA, 1965-66); SCIENTIST EI, N.A.L. SINCE JUNE, 1984.

PRESENT ACTIVITIES : WIND TUNNEL DESIGN AND DEVELOPMENT.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : CANADA, U S A, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 13, DESIGN REPORTS - 13.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 1, DESIGN - 20, TECH. DEV. - 4, R & D MGMT. - 2, OPERATION, TESTING, Q.LTY. CONTROL AND MAINTENANCE - 10.

6891

SHRI G K SURYANARAYANA; (B. JANUARY 28, 1957),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '76; B.TECH. AERONAUTICAL ENGINEERING - M.I.T., MADRAS '79; M.E. AERONAUTICAL ENGINEERING - I.I.S.C., BANGALORE '81.

SPECIALIZATIONS : AERODYNAMICS; AEROSPACE ENGINEERING; WIND TUNNEL TESTING.

EXPERIENCE : GRADUATE ENGINEER, AIR INDIA, BOMBAY, 1981-82; SCIENTIST B AND SCIENTIST C, N.A.L., 1983-93; (ALSO DAAD FELLOW, GERMANY, 1989-92); SCIENTIST EI, N.A.L. SINCE JANUARY, 1993.

PRESENT ACTIVITIES : R & D IN AEROSPACE ENGINEERING.

LANGUAGES : KANNADA, HINDI, ENGLISH, GERMAN.

VISITED : GERMANY, ENGLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 5.

AWARDS & DISTINCTIONS : NAL AWARD FOR DEVELOPMENT OF WIND TUNNEL TEST RIG, 1987.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 8.

6892

MRS REMA ABRAHAM THOMAS; (B. APRIL 27, 1948),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MADRAS '70; M.S. MECHANICAL ENGINEERING - I.I.T., MADRAS '80.

SPECIALIZATIONS : MECHANICAL ENGINEERING DESIGN; DESIGN OF WIND TUNNEL COMPONENTS; MODELS AND SUPPORT SYSTEMS.

EXPERIENCE : S.T.A., SCIENTIST A AND SCIENTIST B, MERADO, CSIR CAMPUS, MADRAS, 1975-83; SCIENTIST C, N.A.L., 1986-91; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : MECHANICAL DESIGN.

LANGUAGES : MALAYALAM, HINDI, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4.

AWARDS & DISTINCTIONS : NAL AWARDS FOR OUTSTANDING PERFORMANCE 1988, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 20.

6893

SHRI P N VARADARAJAN; (B. MARCH 2, 1940),

EXECUTIVE ENGINEER (EI), NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - SCHOOL OF ENGG., BANGALORE '58.

SPECIALIZATIONS : CIVIL ENGINEERING; CONSTRUCTION AND MAINTENANCE OF STAFF QUARTERS.

EXPERIENCE : CARETAKER-CUM-OVERSEAR AND CLERK OF WORKS/CIVIL ENGINEER, V.I.T. MUSEUM, BANGALORE, 1964-82; ASSISTANT EXECUTIVE ENGINEER (B) AND ASSISTANT EXECUTIVE ENGINEER (C), N.A.L., 1982-91; EXECUTIVE ENGINEER (EI), N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : CIVIL CONSTRUCTION.

LANGUAGES : TAMIL, KANNADA, ENGLISH, HINDI, TELUGU.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION AND MAINTENANCE - 30.

6894

SHRI A R VENKATANARAYANA; (B. JUNE 16, 1946),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '69.

SPECIALIZATIONS : MACHINE AND TOOL DESIGN; PRODUCTION ENGINEERING; WIND ENERGY.

EXPERIENCE : SHIFT INCHARGE, INCODUCTS(INDIA) PVT. LTD., BANGALORE, 1970-71; TOOL DESIGNER, BHARAT EARTH MOVERS LTD., KOLAR 1971-73; S.T.A., N.A.L., 1973-77; SENIOR DESIGN ENGINEER, M/S FOURESS ENGG.(INDIA) PVT. LTD., BANGALORE, 1977-79; SCIENTIST B AND SCIENTIST C, N.A.L., 1979-88; SCIENTIST EI, N.A.L. SINCE MARCH 1988.

PRESENT ACTIVITIES : DESIGN AND FABRICATION OF WIND MACHINES.

LANGUAGES : KANNADA, TAMIL, ENGLISH.

VISITED : MAURITIUS, ENGLAND.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 18, SHOP FLOOR - 2.

6895

SHRI C S VENKATESH; (B. FEBRUARY 2, 1949),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - BANGALORE '70.

SPECIALIZATIONS : MICROPROCESSOR BASED CONTROL SYSTEMS; DESIGN OF SIGNAL CONDITIONERS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1973-90; SCIENTIST EI, N.A.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : DESIGN, OPERATION, TESTING AND MAINTENANCE OF MICROPROCESSOR BASED CONTROLS.

LANGUAGES : KANNADA, HINDI, ENGLISH, GERMAN.

VISITED : U.K., U.S.A.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 20, OPERATION - 20, TESTING - 20, MAINTENANCE - 20.

6896

SHRI K R VENKATESH; (B. FEBRUARY 8, 1939),

SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '62.

SPECIALIZATIONS : ELECTRICAL ENGINEERING.

EXPERIENCE : JUNIOR ENGINEER, KARNATAKA ELECTRICITY BOARD, KARNATAKA, 1961-65; S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L. 1965-86; SCIENTIST EI, N.A.L. SINCE MAY, 1986.

PRESENT ACTIVITIES : INSTALLATION AND MAINTENANCE OF ELECTRICAL SUB-STATION.

LANGUAGES : KANNADA, TELUGU, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TESTING - 4, MAINTENANCE - 24.

6897

SHRI S VENKATESH; (B. JANUARY 13, 1947),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '72.

SPECIALIZATIONS : COMBUSTION AND GAS DYNAMICS.

EXPERIENCE : S.S.A., G.T.R.E., 1973-77; SCIENTIST B AND SCIENTIST C, N.A.L., 1977-88; SCIENTIST EI, N.A.L. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : RESEARCH AND DESIGN.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 15.

6898

SHRI RAM SINGH VERMA; (B. JUNE 21, 1948),
SCIENTIST EI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - RANCHI '73.

SPECIALIZATIONS : MECHANICAL DESIGN; WIND TUNNEL MODELLING.

EXPERIENCE : SALES ENGINEER, BHALLA DIESEL, GORAKHPUR, 1973-74; ENGINEER TRAINEE, KALKAJI COMPRESSOR WORKS, FARIDABAD, 1974-75; ASSISTANT ENGINEER, STERLING MACHINE TOOLS, AGRA, 1975; J.T.A., S.T.A., SCIENTIST B AND SCIENTIST C, N.A.L., 1975-89; SCIENTIST EI, N.A.L. SINCE MARCH, 1989.

PRESENT ACTIVITIES : DESIGN OF WIND TUNNEL MODELS AND TUNNEL COMPONENTS.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 14, TECH. DEV. - 14, SALES MARKETING - 1.

6899

SHRI B J AMPRUTHRAJ; (B. JUNE 20, 1935),
SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL DRAUGHTSMANSHIP - KARNATAKA '57.

SPECIALIZATIONS : FABRICATION OF ELECTRONIC COMPONENTS FOR ELECTRONIC EQUIPMENT.

EXPERIENCE : DRAUGHTSMAN, INDIAN TELEPHONE INDUSTRIES, BANGALORE, 1958-61; JR. DRAUGHTSMAN, SR. DRAUGHTSMAN, J.T.A. S.T.A., SCIENTIST AI, SCIENTIST B AND SCIENTIST C, N.A.L., 1983-88; SCIENTIST CI, N.A.L. SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : SYSTEMS ENGINEERING; WORKSHOP SUPERVISION.

LANGUAGES : TAMIL, KANNADA, TELUGU, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV., PILOT PLANT, MAINTENANCE AND PRODUCTION - (TOTAL : 30).

6900

SHRI N ANKANNA; (B. JULY 1, 1937),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : I.S.L.C. - KARNATAKA '56.

SPECIALIZATIONS : FIBRE GLASS REINFORCED PLASTICS.

EXPERIENCE : SKILLED CARPENTER, SMALL SCALE INDUSTRIES DEPARTMENT, MYSORE, 1959-62; JUNIOR MECHANIC, MODEL MAKER, MECH. ASSISTANT, S.T.A., SCIENTIST AI AND SCIENTIST B1, N.A.L., 1962-88; SCIENTIST C, N.A.L. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : FABRICATION OF FIBRE GLASS REINFORCED PLASTIC COMPONENTS.

LANGUAGES : TELUGU, KANNADA, TAMIL, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 10, DESIGN, TECH. DEV., PILOT PLANT, CONSULTANCY - 2, CONSTRUCTION - 10, OPERATION - 15, TESTING - 10, QLTY. CONTROL - 10, MAINTENANCE - 15, PRODUCTION - 15, TECHNOLOGY TRANSFER - 3.

6901

SHRI N R BASAVARAJU; (B. FEBRUARY 27, 1949),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - MYSORE '71.

SPECIALIZATIONS : INSTRUMENTATION CONTROL SYSTEMS.

EXPERIENCE : DEVELOPMENT ENGINEER, INDUSTRIAL ELECTRONICS (P) LTD., 1971-72; S.S.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1973-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : INSTRUMENTATION AND CONTROL SYSTEMS.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, OPERATION, MAINTENANCE AND TESTING - (TOTAL 16 YEARS.)

6902

SHRI A R BASKARAN; (B. JANUARY 20, 1948),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIP. IN ELECTRICAL ENGINEERING - ALGAPPA POLYTECHNIC, KARAIKUDI '68; GRAD. I.E.T.E. ELECTRONICS & TELECOMMUNICATION - INSTITUTION OF ELECTRONICS & TELECOMMUNICATION ENGINEERS (INDIA) '76.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION; FLIGHT TEST INSTRUMENTATION.

EXPERIENCE : SCIENTIST A AND SCIENTIST B, N.A.L., 1973-89; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : REPAIR, SERVICE AND MAINTENANCE OF ELECTRONIC INSTRUMENTS/ EQUIPMENT.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

VISITED : GERMANY.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 17, FLIGHT EXPERIENCES - 4.

6903

DR AMIT J BASU; (B. APRIL 11, 1962),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AERONAUTICAL ENGINEERING - I.I.T., KHARAGPUR '83; M.E. AEROSPACE ENGINEERING - I.I.S.C., BANGALORE '85; PH.D. AEROSPACE ENGINEERING - I.I.S.C. BANGALORE '89.

SPECIALIZATIONS : COMPUTATIONAL FLUID DYNAMICS; TURBULENCE; PARALLEL COMPUTERS.

EXPERIENCE : FELLOW, N.A.L., BANGALORE 1989-90; FELLOW, UNIVERSITY OF HOUSTON, U S A, 1990-91; FELLOW, JNCASR, BANGALORE 1991-92; SCIENTIST C, N.A.L. SINCE JULY, 1992.

PRESENT ACTIVITIES : DIRECT SOLUTION OF NAVIER-STONES EQUATIONS FOR SIMULATING TURBULENT FLOW.

LANGUAGES : BENGALI, ENGLISH, HINDI, ASSAMESE.

VISITED : HONGKONG, U S A

AWARDS & DISTINCTIONS : YOUNG ASSOCIATE, INDIAN ACADEMY OF SCIENCES, (1993-1998).

PROFESSIONAL EXPERIENCE(IN YEARS) : 5.

6904

SHRI BHARATHIBHAI J BASU; (B. DECEMBER 30, 1952),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - CALICUT '71; M.SC. CHEMISTRY - CALICUT '73.

SPECIALIZATIONS : PHYSICAL CHEMISTRY; ANALYTICAL CHEMISTRY.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST B, N.A.L., 1974-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS.

LANGUAGES : MALAYALAM. HINDI, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : QLT. CONTROL - 14.

6905

SHRI T A BHASKARAN; (B. NOVEMBER 18, 1943),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. PHYSICS - ANNAMALAI '68; M.S. METALLURGY - IIT, MADRAS '83.

SPECIALIZATIONS : PHYSICAL METALLURGY; SERVICE FAILURE ANALYSIS; ELECTRON MICROSCOPY.

EXPERIENCE : LECTURER/DEMONSTRATOR IN VARIOUS COLLEGES, 1964-71; J.R.F., J.S.A., S.S.A. AND SCIENTIST B, N.A.L., 1972-81; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN PHYSICAL METALLURGY.

LANGUAGES : TELUGU, TAMIL, KANNADA, ENGLISH.

VISITED : JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 2, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 15, TEACHING - 5.

6906

DR KISHORE KUMAR BRAHMA; (B. JULY 4, 1957),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AERONAUTICAL ENGINEERING - M.I.T., MADRAS '80; M.E. AEROSPACE ENGINEERING - I.I.S.C., BANGALORE '82; PH.D. AEROSPACE ENGINEERING - I.I.S.C. BANGALORE '89.

SPECIALIZATIONS : FATIGUE AND FRACTURE.

EXPERIENCE : PROJECT ASSTT. AND SCIENTIFIC OFFICER, I.I.S.C., BANGALORE 1985-88; SCIENTIST C, N.A.L. SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : STRUCTURAL TESTING.

LANGUAGES : ORIYA, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : INTERNATIONAL JOURNAL - 4, INTERNATIONAL CONFERANCES - 8, NATIONAL CONFERENCES - 7, INTERNAL REPORTS - 20.

AWARDS & DISTINCTIONS : MRS SABITA CHAUDHARI MEMORIAL MEDAL, INDIAN INSTITUTE OF SCIENCE, BANGALORE.

PROFESSIONAL EXPERIENCE(IN YEARS) : 5.

6907

DR SATISH CHANDRA; (B. JUNE 14, 1959),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '81; M.E. STRUCTURAL ENGINEERING - MADRAS '83; PH.D. STRUCTURAL ENGINEERING - BRISTOL, U.K. '92.

SPECIALIZATIONS : STRUCTURAL ENGINEERING.

EXPERIENCE : SCIENTIST B, S.E.R.C., MADRAS, 1983-86; SCIENTIST C, N.A.L. SINCE SEPTEMBER, 1986.

PRESENT ACTIVITIES : R & D IN STRUCTURAL ANALYSIS.

LANGUAGES : KANNADA, TELUGU, TAMIL, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 13.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9.

6908

SHRI R V M CHOKKALINGAM; (B. APRIL 6, 1943),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - S. V. UNIVERSITY '64.

SPECIALIZATIONS : DESIGN OF SCIENCE EXHIBITIONS; PUBLIC RELATIONS; TECHNOLOGY TRANSFER.

EXPERIENCE : LECTURER, S.J. POLYTECHNIC, BANGALORE, 1966-68; S.T.A., SCIENTIST A AND SCIENTIST B, V.I.T. MUSEUM, BANGALORE, 1968-83; (ALSO TRAINING IN DESIGN OF SCIENCE EXHIBITIONS, U.K., 1975-76); SCIENTIST C, N.A.L. SINCE APRIL, 1983.

PRESENT ACTIVITIES : DESIGN OF SCIENCE EXHIBITIONS & TRAINING PROGRAMMES; PUBLIC RELATIONS.

LANGUAGES : TAMIL, TELUGU, KANNADA, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : ARTICLES - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 15, TEACHING - 2, PLANNING - 15, TECHNOLOGY TRANSFER - 2, EDITING - 10.

6909

DR S USHA DEVI; (B. DECEMBER 7, 1948),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : PH.D. PHYSICS - BANGALORE '84.

SPECIALIZATIONS : HIGH PRESSURE SOLID STATE PHYSICS; X-RAY CRYSTALLOGRAPHY.

EXPERIENCE : S.L.A., J.S.A. AND S.S.A., N.A.L., 1970-81; SCIENTIST B, N.A.L., 1981-87; (ALSO HIGHER RESEARCH ON HIGH PRESSURE PHYSICS, HAWAII INSTITUTE OF GEOPHYSICS, UNIV. OF HAWAII, U S A, 1985-87). SCIENTIST C, N.A.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN HIGH PRESSURE PHYSICS AND X-RAY CRYSTALLOGRAPHY.

LANGUAGES : KANNADA, SANSKRIT, HINDI, TELUGU, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 17, APP. RES. - 15.

6910

MRS K DHANALAKSHMI; (B. NOVEMBER 13, 1953),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. MATHEMATICS - MADRAS '76.

SPECIALIZATIONS : COMPUTATION FLUID DYNAMICS.

EXPERIENCE : J.S.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1977-89; SCIENTIST C, N.A.L. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : TAMIL, HINDI, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 10.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1992.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 17.

6911

DR M S DHANIKUMAR; (B. JUNE 1, 1962),

SCIENTIST C, C-MMACS, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - ANDHRA '84; PH.D. COMPUTATIONAL FLUID DYNAMICS - I.I.S.C., BANGALORE '90.

SPECIALIZATIONS : COMPUTATIONAL FLUID DYNAMICS; HEAT TRANSFER; MARINE POLLUTION AND COASTAL CIRCULATION.

EXPERIENCE : FELLOW SCIENTIST, C-MMACS, N.A.L., 1990-92; SCIENTIST C, N.A.L. SINCE AUGUST, 1992.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, KANNADA, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10.

6912

SHRI KARTAR SINGH DHILLON; (B. OCTOBER 1, 1936),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - STATE BOARD OF TECHNICAL EDUCATION '58.

SPECIALIZATIONS : WIND POWER; WIND MILLS; ENGINEERING STORES MANAGEMENT; TURBOMACHINERY.

EXPERIENCE : JUNIOR DRAUGHTSMAN, SENIOR DRAUGHTSMAN, J.T.A., S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L. 1969-89; SCIENTIST CI, N.A.L. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : OPERATION AND MAINTENANCE OF TURBO/COMPRESSORS.

LANGUAGES : PUNJABI, HINDI, URDU, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 2, OPERATION - 16, MAINTENANCE - 16, PLANNING - 2, STORES/PURCHASE - 5.

6913

DR H N V DUTT; (B. DECEMBER 20, 1953),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '72; M.SC. PHYSICS - MYSORE '74; M.S. AERONAUTICAL ENGINEERING - I.I.T., MADRAS '77; PH.D. AERONAUTICAL ENGINEERING - I.I.T., MADRAS '81.

SPECIALIZATIONS : COMPUTER PROGRAMMING; NUMERICAL ANALYSIS AND APPLIED MATHEMATICS; LOW SPEED AND HIGH-SPEED AERODYNAMICS.

EXPERIENCE : ENGINEER GR. III, H.A.L., BANGALORE, 1980-83; SCIENTIST B, N.A.L., 1983-87; SCIENTIST C, N.A.L. SINCE MARCH, 1987.

PRESENT ACTIVITIES : AERODYNAMICS AND SOFTWARE DEVELOPMENT.

LANGUAGES : KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7.

6914

SHRI V S GANESH; (B. SEPTEMBER 10, 1947),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - BOARD OF TECHNICAL EDUCATION, BANGALORE '67; B.E. ELECTRICAL - BANGALORE '81.

SPECIALIZATIONS : ELECTRICAL ENGINEERING; ACOUSTICS.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.A.L., 1968-86; SCIENTIST C, N.A.L. SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : R & D IN ACOUSTICS.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 4, TECH. DEV. - 3, PILOT PLANT - 6.

6915

SHRI G GANGADHARAIAH; (B. SEPTEMBER 20, 1942),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE

QUALIFICATIONS : B.SC. - BANGALORE '69; LL.B. - BANGALORE '83.

EXPERIENCE : STUDIO EXECUTIVE AND TRANSMISSION EXECUTIVE, AIR, BANGALORE, 1965-74; HEAD LIBRARY SUPERVISOR AND J.T.O., N.A.L., 1974-84; S.T.O.(B), 1984-89; SCIENTIST C, N.A.L. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : HOUSE KEEPING.

LANGUAGES : KANNADA, TELUGU, TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : HOUSING KEEPING - 24.

6916

SHRI ASHOK K GODBOLE; (B. JANUARY 9, 1940),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - KARNATAKA '60.

SPECIALIZATIONS : COMPUTER PROGRAMMING; SYSTEM PROGRAMMING.

EXPERIENCE : J.L.A., R.R.L., HYDERABAD, 1965-66; S.L.A., N.G.R.I., HYDERABAD, 1966-70; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1970-89; SCIENTIST C, N.A.L. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : COMPUTER PROGRAMMING AND MANAGEMENT.

LANGUAGES : MARATHI, KANNADA, TELUGU, HINDI, URDU, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : COMPUTER PROCESSING - 23.

6917

SHRI V D GOPALAKRISHNA; (B. AUGUST 29, 1937),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - SRI JAYACHAMA RAJENDRA POLYTECHNIC, BANGALORE '60.

SPECIALIZATIONS : MACHINING TECHNOLOGY.

EXPERIENCE : JUNIOR FITTER MECHANIC, SENIOR FITTER MECHANIC, MECHANICAL ASSISTANT, SENIOR MECHANICAL ASSISTANT, SCIENTIST AI, SCIENTIST B AND SCIENTIST C, N.A.L. 1960-87; SCIENTIST CI, N.A.L. SINCE AUGUST, 1987.

PRESENT ACTIVITIES : SUPERVISION OF CENTRAL WORKSHOP.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PRODUCTION - 27.

6918

SHRI N GOPINATH; (B. JUNE 13, 1955),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - J.N. TECHNOLOGICAL UNIV. '78; M.TECH. AERONAUTICAL ENGINEERING - I.I.T., KANPUR '81.

SPECIALIZATIONS : AERODYNAMICS.

EXPERIENCE : SCIENTIST B, N.A.L. 1983-88; SCIENTIST C, N.A.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN FLUID MECHANICS - WIND TUNNEL TESTING.

LANGUAGES : TELUGU, KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 4.

6919

MRS RAMA GOVINDARAJAN; (B. AUGUST 26, 1962),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. CHEMICAL ENGG. - I.I.T., DELHI '84; M.S. CHEMICAL ENGG. - DREXEL, U S A '86.

SPECIALIZATIONS : FLUID MECHANICS.

EXPERIENCE : GRADUATE ENGINEER, LARSEN & TOUBRO, BOMBAY 1984; SCIENTIFIC ASSTT/ OFFICER, JATP, I.I.S.C., 1986-87; PROJECT ENGINEER, AERONAUTICAL DEVELOPMENT AGENCY, 1987-88; SCIENTIST B, N.A.L., BANGALORE 1988-91; SCIENTIST C, NAL, BANGALORE SINCE FEB. '91.

PRESENT ACTIVITIES : BASIC/APP. RESEARCH.

LANGUAGES : TAMIL, HINDI, ENGLISH.

VISITED : U S A, FRANCE.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 8, PAPER PRESENTED IN CONFERENCE - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 3.

6920

SHRI S A GURUPRASAD; (B. NOVEMBER 24, 1945),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

6921

DR N K INDIRA; (B. JULY 5, 1957),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - B.H.U. '76; M.SC. STATISTICS - B.H.U. '78; PH.D. STATISTICS - B.H.U. '84.

SPECIALIZATIONS : PROBABILITY THEORY; STOCHASTIC MODELLING.

EXPERIENCE : RESEARCH ASSOCIATE, I.I.S.C., BANGALORE 1985-88; SCIENTIST FELLOW, CEERI, PILANI 1988-89; PROJECT FELLOW, I.I.M., BANGALORE 1989; FELLOW, CMMACS, NAL 1989-91; SCIENTIST C, N.A.L., BANGALORE MAY, 1991.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

6922

SHRI C IRSHAD-UL-HAQUE; (B. NOVEMBER 22, 1941),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '60; A.M.I.E. MECHANICAL ENGINEERING - INSTITUTION OF ENGINEERS (INDIA) '65.

SPECIALIZATIONS : COMPUTER AIDED MACHINING; COMPUTER GRAPHICS; COMPUTER PROGRAMMING; NUMERICAL ANALYSIS.

EXPERIENCE : J.T.A., S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L. 1966-91; N.A.L. SCIENTIST CI, N.A.L. SINCE APRIL, 1991.

PRESENT ACTIVITIES : COMPUTER PROGRAMMING; NUMERICAL ANALYSIS.

LANGUAGES : URDU, HINDI, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 9, ARTICLES - 1. POPULAR SCIENCE BOOKS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : COMPUTER PROCESSING - 15, COMPUTER-AIDED MACHINING - 9.

6923

SHRI B R K IYENGAR; (B. JUNE 10, 1936),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.COM. - MYSORE '55; DIPLOMA IN INDUSTRIAL & BUSINESS ADMN. - TECHNICAL EDUCATION BOARD, KARNATAKA '68; PRAGYA IN HINDI - CENTRAL GOVT. HINDI TEACHING SCHEME '75.

SPECIALIZATIONS : PLANNING & COORDINATION; MATERIALS MANAGEMENT.

EXPERIENCE : TEACHER, DISTT. BOARD HIGH SCHOOL, 1955-56; 'A' CLERK, M/S BHARAT ELECTRONICS LTD., BANGALORE, 1956-58; U.D.C., CIMAP 1958-60; U.D.C., J.T.A., S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L. 1960-88; SCIENTIST EI (P&C), N.A.L. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : PLANNING & COORDINATION.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

AWARDS & DISTINCTIONS : NAL FOUNDATION DAY AWARD FOR OUTSTANDING PERFORMANCE.

PROFESSIONAL EXPERIENCE(IN YEARS) : TEACHING - 1, PILOT PLANT - 1, PLANNING - 6, ADMN. - 12, MATERIALS MGMT. - 8.

6924

DR M I JAMES; (B. MAY 24, 1958),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

6925

SHRI J VICTOR JAYARAJ; (B. FEBRUARY 3, 1939),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - KARNATAKA '66.

SPECIALIZATIONS : MECHANICAL ENGINEERING (MODEL TECHNOLOGY); WIND TUNNEL OPERATION.

EXPERIENCE : ELECTRICAL ENGG. APPRENTICE, REUNION ENGG. CO., BOMBAY, 1957-58; MECH. ENGG. APPRENTICE, INDIAN STANDARD METAL CO. LTD., BOMBAY, 1958-60; (TATA'S) OPERATOR CUM MACHINE SETTER, MAHENDRA & MAHENDRA, BOMBAY, 1960-61; LAB. MECHANIC, L.R.D.E., BANGALORE, 1961-63; SR. FITTER MECHANIC, J.T.A., S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1963-90; SCIENTIST CI, N.A.L. SINCE JANUARY, 1990.

PRESENT ACTIVITIES : LOW WIND TUNNEL OPERATIONS; CALIBRATION OF WIND TUNNELS.

LANGUAGES : TAMIL, HINDI, KANNADA, MALAYALAM, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MGMT. - 12, OPERATION - 14, MAINTENANCE - 22, PRODN. - 10.

6926

SHRI M JAYARAMAN; (B. MAY 3, 1954.),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MADRAS '78; M.E. ENGINEERING DESIGN - MADRAS '80.**SPECIALIZATIONS :** STRESS AND VIBRATION ANALYSIS IN ROTORS; HOLOGRAPHY.**EXPERIENCE :** LECTURER, COLLEGE OF ENGINEERING, MADRAS, 1981-83; SCIENTIST B, N.A.L. 1983-88; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES :** R & D IN ROTOR AND TURBINE BLADES.**LANGUAGES :** TAMIL, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 1.

6927

DR SUDARSH V KAILAS; (B. MAY 30, 1959),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '80; M.SC. OCEANOGRAPHY - COCHIN '82; PH.D. AERONAUTICAL ENGINEERING - BANGALORE '89.**SPECIALIZATIONS :** ATMOSPHERIC SCIENCES; FLUID DYNAMICS; TURBULENCE.**EXPERIENCE :** SCIENTIFIC ASSTT. AND SCIENTIFIC OFFICER, I.I.S.C. BANGALORE 1988-90; FELLOW SCIENTIST, N.A.L. 1990-92; SCIENTIST C, N.A.L. SINCE SEPTEMBER, 1992.**PRESENT ACTIVITIES :** RESEARCH AND RESEARCH MANAGEMENT.**LANGUAGES :** MALAYALAM, KANNADA, HINDI, ENGLISH, TAMIL.**VISITED :** THE NETHERLANDS.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 2, CONSULTANCY - 2, TEACHING - 2.

6928

MRS P KANAKALATHA; (B. SEPTEMBER 24, 1953),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '73; M.SC. ORGANIC CHEMISTRY - BANGALORE '75.**SPECIALIZATIONS :** POLYMER SCIENCE; COMPOSITE MATERIALS; FIBRE TECHNOLOGY.**EXPERIENCE :** J.S.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1976-88; SCIENTIST C, N.A.L. SINCE JULY, 1988.**PRESENT ACTIVITIES :** R & D IN POLYMER SCIENCE, COMPOSITE MATERIALS AND FIBRE TECHNOLOGY.**LANGUAGES :** KANNADA, HINDI, ENGLISH, FRENCH, JAPANESE.**PUBLICATIONS & PATENTS :** RES. PAPERS - 5, TECH. REPORTS - 10.**AWARDS & DISTINCTIONS :** NRDC AWARD FOR DEVELOPMENT OF ARAMID FIBRES, 1986.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 10, DESIGN - 2, TECH. DEV. - 2, PILOT PLANT - 5, TEACHING - 1, TRANSLATION - 1.

6929

SHRI R KANNAN; (B. MAY 7, 1952),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. CHEMISTRY - MADRAS '74; D.I.I.T. ANALYTICAL CHEMISTRY - I.I.T., MADRAS '75.**SPECIALIZATIONS :** ANALYTICAL CHEMISTRY.**EXPERIENCE :** J.S.A., S.S.A. AND SCIENTIST B, N.A.L., 1975-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.**PRESENT ACTIVITIES :** R & D IN ANALYTICAL CHEMISTRY.**LANGUAGES :** TAMIL, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 12, TECH. REPORTS - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 11, APP. RES. - 11, TESTING - 11, Q.L.T.Y. CONTROL - 11.

6930

MRS SARASWATHI KRISHNA; (B. JANUARY 5, 1950),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '69; M.SC. PHYSICS (ELECTRONICS) - BANGALORE '71.**SPECIALIZATIONS :** ELECTRONICS; ELECTRONIC INSTRUMENTATION.**EXPERIENCE :** J.R.F., N.A.L., 1972-73; J.S.A., S.S.A. AND SCIENTIST B, N.A.L., 1973-88; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES :** R & D.**LANGUAGES :** KANNADA, HINDI, ENGLISH.**AWARDS & DISTINCTIONS :** NAL FOUNDATION DAY AWARD FOR THE DEVELOPMENT OF COMPUTER-AIDED VIBRATION TEST & ANALYSIS SYSTEM.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 2, DESIGN - 5, TESTING - 5, DOCUMENTATION - 2, COMPUTER PROCESSING - 2.

6931

SHRI S J KRISHNAMURTHY; (B. AUGUST 16, 1949),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

6932

SHRI N KUMAR; (B. OCTOBER 29, 1951),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '72; M.SC. MATHEMATICS - BANGALORE '80.

SPECIALIZATIONS : COMPUTER SOFTWARE DEVELOPMENT.

EXPERIENCE : S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1973-88; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF COMPUTER SOFTWARE.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : COMPUTER PROCESSING - 14.

6933

SHRI S R KUMAR; (B.),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

6934

SHRI SWARNA SHANKAR KUMAR; (B. MAY 8, 1938),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - MYSORE '60.

SPECIALIZATIONS : STRUCTURAL DESIGN.

EXPERIENCE : JUNIOR ENGINEER, P.W.D., BANGALORE, 1961-65; S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1965-80; SCIENTIST C, N.A.L. SINCE JUNE, 1980.

PRESENT ACTIVITIES : CONSTRUCTION, PLANNING, MAINTENANCE AND DESIGN.

LANGUAGES : KANNADA, TELUGU, TAMIL, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, CONSTRUCTION - 28.

6935

SHRI V S KRISHNA KUMAR; (B. DECEMBER 24, 1947),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. PHYSICS - MADRAS '72; M.TECH. INSTRUMENTATION - I.I.S.C. '

SPECIALIZATIONS : INSTRUMENTATION.

EXPERIENCE : DEMONSTRATOR, P.S.G., 1972-77; SCIENTIST A AND SCIENTIST B, N.A.L. 1977-87; SCIENTIST C, N.A.L. SINCE AUGUST, 1987.

PRESENT ACTIVITIES : INSTRUMENTATION.

LANGUAGES : TAMIL, ENGLISH, HINDI.

6936

MRS SARASWATHI LAKSHMIKANTHA; (B. MAY 23, 1949),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '69; M.SC. PHYSICS - BANGALORE '71.

SPECIALIZATIONS : ELECTRONICS; MICROPROCESSOR BASED SYSTEMS.

EXPERIENCE : J.R.F., N.A.L., 1973-75; S.S.A. AND SCIENTIST B, N.A.L., 1975-86; SCIENTIST C, N.A.L. SINCE MAY, 1986.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN AND TECH. DEV. - 18.

6937

SHRI R LAKSHMINARAYANAN; (B. JULY 28, 1950),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - '72.

SPECIALIZATIONS : FILM COOLING.

EXPERIENCE : GRADUATE TRAINEE, GOVT. TRACTOR WORKSHOP, VELLORE, 1972-73; JUNIOR ENGINEER, AGRICULTURE DEPT., TAMILNADU, 1973-74; JUNIOR ENGINEER, TAMILNADU AGRO ENGINEERING COOP. FEDERATION, 1974-75; J.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1977-88; SCIENTIST C, N.A.L. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : R & D IN ROCKET MOTOR COOLING.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10.

6938

DR(MRS) K LALITHA; (B. JUNE 2, 1952),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.B.B.S. - MADRAS '76.

SPECIALIZATIONS : MEDICINE.

EXPERIENCE : LADY MEDICAL OFFICER (B) AND SCIENTIST C, N.A.L., 1982-87; SCIENTIST CI, N.A.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : CLINICAL.

LANGUAGES : TAMIL, TELUGU, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CLINICAL - 7.

6939

MISS K LEELAVATHI; (B. JULY 1, 1942),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. MATHEMATICS - BANGALORE '65; M.SC. (ENGG.) COMPUTATIONAL AERODYNAMICS - I.I.S.C., BANGALORE '86.

SPECIALIZATIONS : COMPUTATIONAL AERODYNAMICS; NUMERICAL ANALYSIS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1965-85; SCIENTIST C, N.A.L. SINCE JANUARY, 1986.

PRESENT ACTIVITIES : R & D IN SOFTWARE APPLICATIONS IN AERODYNAMICS.

LANGUAGES : KANNADA, SANSKRIT, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 21, APP. RES. - 21.

6940

SHRI E LINGARKAR; (B. AUGUST 4, 1936),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - BOARD OF TECHNICAL EDUCATION, BANGALORE '75; A.M.AE.S.I. AERONAUTICS - AERONAUTICAL SOCIETY OF INDIA '75; M.AC.S.I. AERONAUTICS - ASI '93.

SPECIALIZATIONS : AIRCRAFT MAINTENANCE.

EXPERIENCE : SNCO, AIR FORCE, 1953-70; J.T.A., SCIENTIST A AND SCIENTIST B, N.A.L. 1977-88; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : FILM COOLING STUDIES/CENTRIFUGAL COMPRESSORS.

LANGUAGES : MARATHI, HINDI, KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 19, TEACHING - 8.

6941

MRS CHINMAYEE MADHAVAN; (B. SEPTEMBER 24, 1946),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - KERALA '66; A.M.I.E. ELECTRONICS & TELECOMMUNICATION - INSTITUTION OF ENGINEERS (INDIA) '78.

SPECIALIZATIONS : INSTRUMENTATION.

EXPERIENCE : S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.A.L., 1968-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : INSTRUMENTATION & MEASUREMENT.

LANGUAGES : MALAYALAM, HINDI, KANNADA, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, DESIGN - 5, PILOT PLANT - 3.

6942

SHRI K T MADHAVAN; (B. JUNE 1, 1950),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - KERALA '70; M.SC. (TECH) ELECTRONICS - OSMANIA '74.

SPECIALIZATIONS : ELECTRONICS; PHYSICS.

EXPERIENCE : J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1975-87; (ALSO ADVANCED TRAINING IN LASER DOPPLER VELOCIMETRY, DENMARK, 1986); SCIENTIST C, N.A.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN AERO INSTRUMENTATION.

LANGUAGES : MALAYALAM, HINDI, KANNADA, TAMIL, ENGLISH.

VISITED : DENMARK.

PUBLICATIONS & PATENTS : RES. PAPERS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, DESIGN - 5, TECH. DEV. - 3.

6943

SHRI R MAHALINGAM; (B. NOVEMBER 22, 1947),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. PHYSICS - MADRAS '72.

SPECIALIZATIONS : ELECTRONICS.

EXPERIENCE : S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1971-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : WIND TUNNEL INSTRUMENTATION; DATA ACQUISITION INSTRUMENT INTERFACE AND CALIBRATION.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 206, TECH. DEV. - 20.

6944

SHRI T C MANOHARAN; (B.),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

6945

SHRI ANTONY MICHAEL; (B. DECEMBER 28, 1947),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BOARD OF TECHNICAL EDUCATION, KERALA '67; B.E. MECHANICAL - BANGALORE '81.

SPECIALIZATIONS : HEAT POWER ENGINEERING.

EXPERIENCE : ENGINEERING APPRENTICE, J.L.A., J.T.A., S.T.A. AND SCIENTIST B, N.A.L., 1970-86; SCIENTIST C, N.A.L. SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : COMPUTER AIDED MECHANICAL ANALYSIS AND SOFTWARE DEVELOPMENT.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES - 3, DESIGN - 6, OPERATION - 3.

6946

DR T R KRISHNA MOHAN; (B. MAY 8, 1965),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - CALICUT '76; M.SC. PHYSICS - J.N.U., NEW DELHI '78; M.PHIL. BIOPHYSICS - J.N.U. '81; PH.D. BIOPHYSICS - J.N.U. '88.

SPECIALIZATIONS : NON-LINEAR DYNAMICAL SYSTEMS; BIOPHYSICS; MATHEMATICAL MODELLING.

EXPERIENCE : RESEARCH ASSOICATE, J.N.U, 1988-90; FELLOW, CMMACS, N.A.L., 1990-91; SCIENTIST C, N.A.L. SINCE OCTOBER, 1991.

PRESENT ACTIVITIES : MATHEMATICAL MODELLING AND RESEARCH.

6947

SHRI M JAFFER MOHIADIN; (B. AUGUST 10, 1935),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL DRAUGHTSMANSHIP - KARNATAKA '56.

SPECIALIZATIONS : FIBRE GLASS REINFORCED PLASTICS.

EXPERIENCE : DRAUGHTSMAN, KIRLOSKAR ELECTRIC CO. LTD., BANGALORE, 1957-58; DRAUGHTSMAN, I.I.S.C., BANGALORE, 1958-60; JUNIOR DRAUGHTSMAN, SENIOR DRAUGHTSMAN, J.T.A., S.T.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L. 1960-88; SCIENTIST CI, N.A.L. SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : R & D IN FIBRE GLASS REINFORCED PLASTICS.

LANGUAGES : URDU, KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3, PATENTS FILED - 1, PROCESSES DEVELOPED - 1.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD AWARD FOR DEVELOPING EXPERIMENTAL FILAMENT WINDING MACHINE, 1969.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 31.

6948

SHRI M V EMAYAVARAMBA MOORTHY; (B. MAY 15, 1954),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES. BANGALORE.

QUALIFICATIONS : B.E.(MECH) INDUSTRIAL ENGINEERING - ANNAMALAI '76; M.E.(AERO) AIRCRAFT STRUCTURAL MECHANICS - MADRAS '80.

SPECIALIZATIONS : AIRCRAFT STRUCTURAL MECHANICS; INDUSTRIAL AND PRODUCTION ENGINEERING; STRUCTURAL STRESS ANALYSIS, AEROELASTICITY.

EXPERIENCE : GRADUATE APPRENTICE, INTEGRAL COACH FACTORY. MADRAS. 1976-77; LECTURER. M.I.E.T.

MADRAS AND MANUFACTURING EXECUTIVE MACTURN MADRAS, 1977-82; PROJECT ASSISTANT, MADRAS INSTITUTE OF TECHNOLOGY, MADRAS, 1982-83; SCIENTIST B, N.A.L., 1983-90; SCIENTIST C, N.A.L. SINCE APRIL, 1990.

PRESENT ACTIVITIES : R & D IN EXPERIMENTAL STRESS ANALYSIS AND AEROELASTICITY.

LANGUAGES : TAMIL, HINDI, SANSKRIT, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, MAINTENANCE, PRODUCTION AND IND. MANAGEMENT - 2.

6949

DR VIDHYADHAR Y MUDKAVI; (B. APRIL 1, 1961),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AEROSPACE ENGINEERING - I.I.T., KANPUR '83; M.E. AEROSPACE ENGINEERING - I.I.S.C., BANGALORE '85; PH.D. APPLIED MATHEMATICS - CALIFORNIA, U S A '91.

SPECIALIZATIONS : FLUID MECHANICS.

EXPERIENCE : RES. ASSOCIATE, CALTECH 1991; SCIENTIST C, N.A.L. SINCE APRIL, 1992.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : KANNADA, ENGLISH, HINDI.

VISITED : U S A

6950

SHRI H S SATYANARAYANA MURTHY; (B. JULY 1, 1938),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.A. - S. V. UNIV. '59; DIPLOMA IN LIBRARY SCIENCE - POONA '62; ASSOCIATESHIP IN DOCUMENTATION - D.R.T.C., I.S.I. '73.

SPECIALIZATIONS : LIBRARY MANAGEMENT; DOCUMENTATION.

EXPERIENCE : LIBRARIAN, GOVT. ENGINEERING COLLEGE, ANANTAPUR (A.P), 1962-66; SENIOR LIBRARIAN, S.T.A., SCIENTIST A1 AND SCIENTIST B, N.A.L., 1966-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : DOCUMENTATION.

LANGUAGES : KANNADA, TELUGU, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION - 25.

6951

SHRI S NAGARAJ; (B. JUNE 13, 1947),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES. BANGALORE.

QUALIFICATIONS : B.SC. PHYSICS - BANGALORE '65; P.G.DIPLOMA STATISTICS - BANGALORE '78.

322

SPECIALIZATIONS : OPERATIONS MANAGEMENT; SYSTEM PROGRAMMING.

EXPERIENCE : WORKED IN DIFFERENT CAPACITY IN N.A.L., 1966-90; SCIENTIST C, N.A.L. SINCE JANUARY, 1990.

PRESENT ACTIVITIES : R & D.

LANGUAGES : KANNADA, ENGLISH, HINDI.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1991.

6952

SHRI S R NAGARAJ; (B. MARCH 13, 1936),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

6953

SHRI VIVEKA NAIK; (B. MAY 19, 1950),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - BOARD OF TECHNICAL EDUCATION, KARNATAKA '74; B.E. ELECTRICAL ENGINEERING - BANGALORE '84.

SPECIALIZATIONS : NON-DESTRUCTIVE TESTING & EVALUATION OF COMPOSITES.

EXPERIENCE : J.F.M., J.T.A., S.T.A. AND SCIENTIST B, N.A.L., 1971-90; SCIENTIST C, N.A.L. SINCE JUNE, 1990.

PRESENT ACTIVITIES : OPERATION AND MAINTENANCE OF ELECTRICAL SUBSTATIONS.

LANGUAGES : KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH REPORTS - 2.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 9, TESTING - 7, MAINTENANCE - 7.

6954

SHRI NARASIMHAIAH; (B. APRIL 3, 1937),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '65.

SPECIALIZATIONS : WIND TUNNEL TESTING.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1965-87; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : DESIGN, OPERATION, TESTING AND MAINTENANCE OF WIND TUNNELS.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, OPERATION, TESTING AND MAINTENANCE - (TOTAL : 24).

6955

SHRI T NIRANJANA; (B. APRIL 6, 1950),

SCIENTIST C, NATIONAL AERONAUTICAL LABORATORY, BANGALORE.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - BANGALORE '70; M.SC ELECTRONICS - BANGALORE '72.

SPECIALIZATIONS : ELECTRONICS; ELECTROHYDRAULIC CONTROL SYSTEMS; DYNAMIC WIND TUNNEL TESTING.

EXPERIENCE : LECTURER, H.K.E.S. COLLEGE, 1972; J.R.F., N.A.L., 1973; J.S.A., S.S.A. AND SCIENTIST B, N.A.L., 1974-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : DYNAMIC WIND TUNNEL TESTING.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 8, CONSULTANCY - 1, TEACHING - 1.

6956

MRS G V NIRMALA; (B. JULY 5, 1949),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. PHYSICS - MYSORE '71.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION; NUCLEAR PHYSICS.

EXPERIENCE : LECTURER, CHRIST THE KING CONVENT JUNIOR COLLEGE, 1971-74; LECTURER, ABBAS KHAN JUNIOR COLLEGE FOR WOMEN, 1975-77; S.L.A., J.S.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1977-88; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : ELECTRONIC INSTRUMENTATION IN WIND TUNNELS.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, TEACHING - 5.

6957

SHRI P K PANDA; (B. APRIL 12, 1964),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. (TECH) CERAMICS - CALCUTTA '87.

SPECIALIZATIONS : STRUCTURAL CERAMICS.

EXPERIENCE : GRADUATE ENGINEER TRANEE AND RESEARCH ASSOCIATE, M/S GRINDWELL NORTON LTD., BANGALORE, 1987-89; SCIENTIST B, NAVAL CHEMICAL & METALLURGICAL LAB., BOMBAY, 1989-93; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1993.

PRESENT ACTIVITIES : BASIC & APPLIED RESEARCH.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 2.

6958

SHRI V PARAMESWARAN; (B. MARCH 15, 1948),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '68; B.E. ELECTRICAL - I.I.S.C., BANGALORE '72.

SPECIALIZATIONS : INSTRUMENTATION; FLIGHT MECHANICS.

EXPERIENCE : SUPERVISOR, DELTA ELECTRIC & ENGG. WORKS, BOMBAY, 1972-73; TRAINEE ENGINEER, BOMBAY SUBURBAN ELECTRIC SUPPLY LTD., BOMBAY, 1973-74; ENGINEER, MYSORE POWER CORPORATION, AMBIKANAGAR, 1975; J.T.A., S.S.A. AND SCIENTIST B, N.A.L., 1975-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN PARAMETER IDENTIFICATION.

LANGUAGES : TAMIL, KANNADA, HINDI, MALAYALAM, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12.

6959

SHRI M S SYED SADIQ PASHA; (B. APRIL 4, 1955),
SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. CHEMISTRY - BANGALORE '76; M.B.A. - BANGALORE '80.

SPECIALIZATIONS : NETWORK TECHNIQUES; R & D MANAGEMENT; COMPUTER BASED INFORMATION SYSTEMS.

EXPERIENCE : SCIENTIFIC ASSISTANT, I.I.S.C., BANGALORE, 1977-82; SCIENTIST CI, N.A.L. SINCE NOVEMBER, 1982.

PRESENT ACTIVITIES : R & D MANAGEMENT; DATABASE DESIGN; NEWSLETTER PUBLICATION.

LANGUAGES : URDU, HINDI, KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MGMT. - 12, PLANNING - 7, EDITING - 4, DOCUMENTATION - 1, REPROGRAPHY - 1, COMPUTER PROCESSING - 6.

6960

SHRI R V PILLAI; (B. OCTOBER 29, 1935),
SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

SPECIALIZATIONS : FABRICATION OF WIND TUNNEL MODELS.

EXPERIENCE : MACHANIC, MECHANICAL ASSTT., SR. MECH. FOREMAN, SCIENTIST AI AND SCIENTIST BI, N.A.L., 1960-88; SCIENTIST CI, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : FABRICATION OF WIND TUNNEL MODELS.

LANGUAGES : MALAYALAM, ENGLISH, KANNADA, TAMIL.

6961

SHRI S PRAKASH; (B. APRIL 27, 1956),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '78; M.E. MECHANICAL - BANGALORE '80.

SPECIALIZATIONS : AERODYNAMICS; VIBRATIONS; TURBOMACHINERY.

EXPERIENCE : SCIENTIFIC ASSISTANT AND SCIENTIFIC OFFICER, I.I.S.C., BANGALORE, 1980-88; SCIENTIST C, N.A.L. SINCE 1988.

PRESENT ACTIVITIES : WIND ENERGY.

LANGUAGES : KANNADA, TELUGU, TAMIL, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, DESIGN - 3, TESTING - 4, COMPUTER PROCESSING - 4.

6962

DR S RADHAKRISHNAN; (B. AUGUST 18, 1957),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - I.I.T., MADRAS '79; M.S. CHEMICAL ENGINEERING - WASHINGTON, U S A '86; M.S. CHEMICAL ENGG. - WASHINGTON U S A '87; M.S. APPLIED MATHEMATICS - WASHINGTON U S A '87; PH.D. APPLIED MATHEMATICS - WASHINGTON '89.

SPECIALIZATIONS : FLUID MECHANICS; APPLIED MATHEMATICS.

EXPERIENCE : GRADUATE ENGINEER TRAINEE, AND CHIEF OPERATOR, MADRAS FERTILIZER LTD., MADRAS, 1980-84; SCIENTIST C, N.A.L. SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES : BASIC RESEARCH.

LANGUAGES : TAMIL, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 3, OPERATION - 4, TEACHING - 1.

6963

SHRI A RAMACHANDRAN; (B. APRIL 4, 1947),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING & ELECTRONICS - BOARD OF TECH. EDUCATION, MADRAS '68; GRAD. I.E.T.E (INDIA) '79; B.E. ELECTRICAL ENGINEERING - BANGALORE '83.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION AND CONTROLS; INDUSTRIAL ELECTRONICS; POWER ELECTRONICS; POWER SYSTEMS.

EXPERIENCE : J.L.A., N.A.L., 1970-72; TECHNICAL ASSISTANT, DUNLOP INDIA LTD., 1972-73; J.T.A., S.T.A. AND SCIENTIST

324

TIST B, N.A.L., 1973-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN ELECTRONIC INSTRUMENTATION & CONTROLS.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, PILOT PLANT - 1, CONSTRUCTION - 1, OPERATION - 1, MAINTENANCE - 1.

6964

MRS RAJESWARI S RAMAMURTHY; (B. AUGUST 10, 1952),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - BANGALORE '71; M.SC. PHYSICS - BANGALORE '73.

SPECIALIZATIONS : ELECTRONICS; AERODYNAMICS.

EXPERIENCE : S.S.A. AND SCIENTIST B, N.A.L., 1979-84; SCIENTIST C, N.A.L. SINCE APRIL, 1984.

PRESENT ACTIVITIES : R & D IN AERODYNAMICS.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 13.

6965

DR S RAMAMURTHY; (B. OCTOBER 22, 1947),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

6966

SHRI G RAMESH; (B. APRIL 5, 1956),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. PHYSICS - MADRAS '78.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, N.A.L., 1979-83; SCIENTIST B, N.A.L. 1983-88; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : ELECTRONIC INSTRUMENTATION.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

VISITED : DENMARK.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, DESIGN - 2, TECH. DEV. - 3

6967

SHRI R RAMESH; (B. DECEMBER 12, 1941),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '69; CERTIFICATE IN INDUSTRIAL MANAGEMENT - GOI '69; RASHTRABHASHA EXAM IN HINDI - D.B.H.P. SABHA, MADRAS '56.

SPECIALIZATIONS : MECHANICAL ENGINEERING; AERODYNAMICS; WIND TUNNEL MODELLING.

EXPERIENCE : ENGINEER-IN-CHARGE OF MECHANICAL WORKS, INDUSTRIAL ESTATE, BANGALORE, 1969-70; S.L.A., J.T.A., S.T.A. AND SCIENTIST B, N.A.L., 1970-87; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : WIND TUNNEL OPERATION, TESTING, MAINTENANCE AND DEVELOPMENT.

LANGUAGES : KANNADA, HINDI, TAMIL, KONKANI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 4, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 5, CONSTRUCTION - 4, OPERATION & TESTING - 5, MAINTENANCE - 2.

6968

SHRI K RANGARAJAN; (B. JULY 22, 1944),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. CHEMISTRY - MADRAS '66.

SPECIALIZATIONS : CHEMISTRY; POLYMERS.

EXPERIENCE : J.S.A., SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, DELHI, 1966-70; S.S.A. AND SCIENTIST A, N.A.L., 1970-80; SCIENTIST B, N.A.L. 1980-80; SCIENTIST C, N.A.L. SINCE AUGUST, 1980.

PRESENT ACTIVITIES : R & D IN POLYMERS, COMPOSITES AND SPECIALITY FIBRES.

LANGUAGES : TAMIL, HINDI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 3, ARTICLES - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21.

6969

SHRI R RANGARAJU; (B. APRIL 29, 1943),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '62; A.M.I.E. METALLURGY - INSTITUTION OF ENGINEERS (INDIA) '69.

SPECIALIZATIONS : METALLOGRAPHY FAILURE ANALYSIS; HEAT TREATMENT.

EXPERIENCE : J.T.A., I.I.T., MADRAS. 1969-70; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1970-86; SCIENTIST C, N.A.L., 1986-86; SCIENTIST C, N.P.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN FAILURE ANALYSIS OF COMPONENTS.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, TECH. DEV. - 12, TESTING - 2.

6970

SHRI B DWARKANATH RAO; (B. JUNE 6, 1943.),
SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '63.

SPECIALIZATIONS : ALLOY DEVELOPMENT.

EXPERIENCE : LABORATORY ASSISTANT AND SENIOR LABORATORY ASSISTANT, I.I.S.C., BANGALORE, 1963-75; SCIENTIST A AND SCIENTIST B, N.A.L. 1980-90; SCIENTIST C, N.A.L. SINCE MAY, 1990.

PRESENT ACTIVITIES : ALLOY DEVELOPMENT.

LANGUAGES : KANNADA, TELUGU.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 23.

6971

SHRI B V RAMAKRISHNA RAO; (B. APRIL 26, 1936),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN DRAUGHTSMAN - SHIP (MECH.) MACHINE DRAWING - '58.

SPECIALIZATIONS : FIBRE GLASS TECHNOLOGY.

EXPERIENCE : DRAUGHTSMAN B, INDIAN TELEPHONE INDUSTRIES, 1958; JR. D/MAN, SR. D/MAN, J.T.A., S.T.A., SCIENTIST AI AND SCIENTIST BI, N.A.L. 1961-92; SCIENTIST CI, N.A.L. SINCE AUGUST, 1992.

PRESENT ACTIVITIES : FILAMENT WINDING.

LANGUAGES : KANNADA, TELUGU, HINDI, ENGLISH.

6972

SHRI C K NARAYANA RAO; (B. JANUARY 17, 1935),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '58, A.M.A.E.S.I. - AERONAUTICAL SOCIETY OF INDIA '75.

SPECIALIZATIONS : WIND TUNNEL TECHNIQUES; FLOW VISUALIZATION; EJECTOR DEVICES.

EXPERIENCE : S.L.A., I.I.S.C., BANGALORE, 1959-61; S.L.A., J.S.A., S.T.A., SCIENTIST A1 AND SCIENTIST B1, N.A.L., 1961-84; SCIENTIST C, N.A.L. SINCE OCTOBER, 1984.

PRESENT ACTIVITIES : R & D IN WIND TUNNEL TECHNIQUES.

LANGUAGES : KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, TECH. DEV., OPERATION, TESTING AND MAINTENANCE - (TOTAL : 30).

6973

SHRI K PRASAD RAO; (B. SEPTEMBER 11, 1949),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - ANDHRA '69.

SPECIALIZATIONS : WIND TUNNEL INSTRUMENTATION.

EXPERIENCE : J.L.A., S.L.A., J.T.A., S.T.A. AND SCIENTIST B, N.A.L. 1973-92; SCIENTIST C, N.A.L. SINCE JULY 1992

PRESENT ACTIVITIES : APPLIED RESEARCH, DESIGN, TECHNICAL DEV. AND TESTING.

LANGUAGES : TELUGU, ENGLISH, KANNADA, HINDI, TAMIL.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 5.

AWARDS & DISTINCTIONS : NAL BEST PERFORMANCE AWARD, 1987; NAL TEAM AWARD 1987, 1988.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RES. - 5, DESIGN - 3, TECHNICAL DEV. - 3, TESTING - 5, COMPUTER PROCESSING - 5.

6974

SHRI K S RAO; (B. AUGUST 30, 1942),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. (TECH.) APPLIED PHYSICS (ELECTRONICS) - ANDHRA '63.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION; ELECTRONIC TRANSDUCERS; VIBRATION MEASUREMENTS; DIGITAL INSTRUMENTATION.

EXPERIENCE : J.S.A., N.P.L., 1964-65; S.S.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1965-86; SCIENTIST C, N.A.L. SINCE JUNE, 1985.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT IN TELEMETRY.

LANGUAGES : TELUGU, HINDI, KANNADA, TAMIL, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 3, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, TECH. DEV. AND PILOT PLANT - (TOTAL : 24).

6975

SHRI V R SARASAMMA; (B. JANUARY 27, 1949),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. STATISTICS - KERALA '71.

SPECIALIZATIONS : STATISTICS; COMPUTER PROGRAMMING.

EXPERIENCE : S.L.A., J.S.A., SCIENTIST A AND SCIENTIST B, N.A.L. 1973-88; SCIENTIST C, N.A.L. SINCE JULY, 1988.

PRESENT ACTIVITIES : NUMERICAL COMPUTATION, COMPUTER PROGRAMMING AND PARALLEL COMPUTING.

LANGUAGES : MALAYALAM, HINDI, KANNADA, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, APP. RES. - 14, PAPERS IN JOURNALS - 3, TECHNICAL MEMORANDUMS - 4, PROJECT DOCUMENTS - 20.

6976

SHRI H S PRABHAKARA SASTRY; (B. APRIL 17, 1937),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - KARNATAKA '57.

SPECIALIZATIONS : MACHINE DEVELOPMENT; FIBRE GLASS REINFORCED PLASTICS.

EXPERIENCE : INSTRUCTOR, INDUSTRIAL TRAINING CENTRE, 1958-61; SECTION OFFICER, POLYTECHNIC, BELLARY, 1961; DRAFTSMAN AND JUNIOR DRAFTSMAN, NEYVELI LIGNITE CORPORATION, NEYVELI, 1961-65; SR. DRAFTSMAN, J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1965-86; SCIENTIST CI, N.A.L. SINCE JANUARY 1986.

PRESENT ACTIVITIES : R & D IN FIBRE GLASS REINFORCED PLASTICS.

LANGUAGES : KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 4, PATENTS TAKEN - 1.

AWARDS & DISTINCTIONS : INVENTIONS PROMOTION BOARD AWARD FOR DEVELOPING FILAMENT WINDING MACHINE, 1969.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH, DEV, - 28, TEACHING - 3.

6977

SHRI C H SATYANARAYANA; (B. JULY 1, 1936),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : L.M.E. MECHANICAL - BOARD OF TECHNICAL EDUCATION, KARNATAKA '55; P.D.M.E. MACHINE TOOL TECHNOLOGY - BOARD OF TECHNICAL EDUCATION, KARNATAKA '77.

SPECIALIZATIONS : CONSTRUCTION AND DEVELOPMENT OF WORKING EXHIBITS; CONSTRUCTION OF AEROTEST FACILITIES; PILOT PLANT OPERATION & MAINTENANCE.

EXPERIENCE : J.L.A. AND S.L.A., C.F.T.R.I., MYSORE, 1957-63; S.L.A., J.T.A., S.T.A. AND J.T.O., V.I.T. MUSEUM, BANGALORE, 1963-83; J.T.O. AND SCIENTIST BI, N.A.L. 1983-88; SCIENTIST CI, N.A.L. SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : CONSTRUCTION OF AERO FACILITY.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : U.S.S.R.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 5, PILOT PLANT - 6, PLANNING - 5, CONSTRUCTION - 31.

6978

DR S A SEETHARAM; (B. APRIL 19, 1945),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : A.M.I.E. MECHANICAL ENGINEERING - INSTITUTION OF ENGINEERS (INDIA) '76; M.E. ENGINEERING DESIGN - MADRAS '80; PH.D. AEROSPACE ENGINEERING - I.I.T., MADRAS '93.

SPECIALIZATIONS : FATIGUE AND FRACTURE; ENGINEERING DESIGN; MECHANICAL ENGINEERING.

EXPERIENCE : JUNIOR DRAFTSMAN, J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1965-87; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : KANNADA, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 10, DESIGN - 2, TESTING - 10.

6979

SHRI V SHANKAR; (B. SEPTEMBER 17, 1951),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRONICS & TELECOMMUNICATION - MYSORE '73; M.TECH. INSTRUMENT TECHNOLOGY - I.I.S.C., BANGALORE '91.

SPECIALIZATIONS : AEROSPACE INSTRUMENTATION; ELECTRONIC COMMUNICATION; VIBRATION OF AIRCRAFT/AEROSPACE STRUCTURES.

EXPERIENCE : G.O.I. TRAINEE, B.E.L., BANGALORE, 1974-75; J.S.A., S.S.A. AND SCIENTIST B, N.A.L., 1975-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN AIRCRAFT AEROSPACE INSTRUMENTATION FOR DYNAMIC ANALYSIS.

LANGUAGES : TELUGU, KANNADA, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 8.

AWARDS & DISTINCTIONS : NAL FOUNDATION DAY AWARD FOR OUTSTANDING PERFORMANCE IN DEVELOPMENT AND DESIGN OF CAVITAS, 1986-87.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECH. DEV. AND TESTING - 15.

6980

MRS M K SHARADA; (B. JANUARY 6, 1964),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '84; M.SC. MATHEMATICS - BANGALORE '87.

SPECIALIZATIONS : MATHEMATICS.

EXPERIENCE : J.R.F., N.A.L., 1987-90; SCIENTIST B, N.A.L., BANGALORE SINCE MARCH, 1990.

PRESENT ACTIVITIES : RESEARCH AND DEVELOPMENT.

6981

SHRI MOHAMED AKRAM SHARIEFF; (B. OCTOBER 9, 1937),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN CRAFTSMANSHIP MECHANICAL ENGINEERING - KARNATAKA '57.

SPECIALIZATIONS : FABRICATION OF PROTOTYPE PRECISION COMPONENTS.

EXPERIENCE : FITTER, INDIAN TELEPHONE INDUSTRIES, BANGALORE, 1958-61; JUNIOR FITTER, SR. FITTER, J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L. 1961-90; SCIENTIST CI, N.A.L. SINCE JANUARY, 1990.

PRESENT ACTIVITIES : FABRICATION OF AERO MODELS.

LANGUAGES : URDU, HINDI, KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 31.

6982

SHRI RAMACHANDRA SHARMA; (B. JUNE 10, 1949),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - KARNATAKA '68; A.M.A.E.S.I. - AERONAUTICAL SOCIETY OF INDIA '72; B.E. MECHANICAL - BANGALORE '81.

SPECIALIZATIONS : WIND TUNNEL TESTING; AERODYNAMICS; NETWORK COMMUNICATION PROGRAMMING.

EXPERIENCE : TECHNICAL ASSISTANT, KIRLOSKAR ELECTRIC CO., BANGALORE, 1969-70; S.L.A., N.A.L., 1970-72; J.S.A., GAS TURBINE RES. ESTT., BANGALORE, 1972-73; S.S.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1973-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : WIND TUNNEL TESTING AND NETWORK COMMUNICATION PROGRAMMING.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, DESIGN - 4, TECHNICAL DEV. - 6, COMPUTER PROCESSING - 19.

6983

SHRI SHIVARAMAIA; (B. FEBRUARY 28, 1939),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - KARNATAKA '59.

SPECIALIZATIONS : FATIGUE TESTING MACHINES.

EXPERIENCE : JUNIOR ENGINEER, P.W.D., MYSORE, 1959-61; JUNIOR DRAUGHTSMAN, SENIOR DRAUGHTSMAN, J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, SCIENTIST CI, N.A.L. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF FATIGUE TESTING FACILITIES.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 6, PATENTS TAKEN - 1, PROCESSES UNDER UTILISATION - 3, ARTICLES - 3.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE IN TECHNICAL SUPPORT, 1990.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, DESIGN - 20, TECH. DEV. - 20, CONSULTANCY - 10, R & D MANAGEMENT MAINTENANCE - 30, TESTING - 20, PRODUCTION - 10, PLANNING - 20, ADMINISTRATION - 20.

6984

SHRI A SHIVASHETTY; (B. JUNE 8, 1942),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

SPECIALIZATIONS : FABRICATION OF AIRCRAFT MODELS AND ACCESSORIES; FABRICATION OF LOAD CELLS AND TRANSDUCERS.

EXPERIENCE : MISTRY, SISI, BANGALORE, 1965-67; FINE MECHANIC, J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1967-93; SCIENTIST C, N.A.L. SINCE 1993.

PRESENT ACTIVITIES : MACHINESHOP.

LANGUAGES : KANNADA, TAMIL, ENGLISH.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1987, 1992.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, TECH. DEV., PILOT PLANT, OPERATION, QLTY CONTROL, MAINTENANCE, PRODUCTION, PLANNING AND TECHNOLOGY TRANSFER - 24.

6985

DR (MRS) V SHUBHA; (B. MAY 14, 1954),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - BANGALORE '72; M.SC. PHYSICS - BANGALORE '74; PH.D. HIGH PRESSURE PHYSICS & INSTRUMENTATION - MYSORE '81.

SPECIALIZATIONS : HIGH PRESSURE PHYSICS; ELECTRONIC INSTRUMENTATION; SOLID STATE PHYSICS.

EXPERIENCE : SCIENTIST B, N.A.L. 1982-87; SCIENTIST C, N.A.L. SINCE DEC, 1987.

PRESENT ACTIVITIES : R & D IN HIGH PRESSURE PHYSICS & ELECTRONIC INSTRUMENTATION.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 10, ARTICLES - 3.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE IN ESTABLISHING ABSOLUTE THERMOELECTRIC POWER AS A POWERFUL RESEARCH TOOL, 1987; CSIR YOUNG SCIENTIST AWARD, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 17.

6986

SHRI K R SREEDHARA; (b. AUGUST 15, 1950),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - KARNATAKA '68; DEGREE ELECTRICAL ENGINEERING - BANGALORE '81.

SPECIALIZATIONS : CONSTRUCTION AND MAINTENANCE OF ELECT EQUIP, SUB-STATIONS & DIESEL GENERATORS SETS.

EXPERIENCE : JR. COMMISSIONED OFFICER, INDIAN ARMY, 1969-74; TECH. ASST. BHARAT ELECTRONICS, 1974-75; SCIENTIST C, N.A.L. SINCE AUGUST, 1975.

PRESENT ACTIVITIES : ELECTRICAL CONSTRUCTION AND MAINTENANCE.

LANGUAGES : KANNADA, HINDI, TELUGU, TAMIL, ENGLISH.

6987

SHRI G S SREENATH; (B. JANUARY 14, 1949),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '70; M.E. AERONAUTICAL - I.I.S.C., BANGALORE '72.

SPECIALIZATIONS : EXPERIMENTAL AERODYNAMICS; WIND TUNNEL TESTING.

EXPERIENCE : PROJECT ASSISTANT, I.I.S.C., BANGALORE, 1972-73; SCIENTIST B, N.A.L., 1973-78; SCIENTIST C, N.A.L. SINCE OCTOBER, 1978; (ALSO STUDIES ON EXPERIMENTAL TECHNIQUES, AS DAAD FELLOW, W. GERMANY, 1982-83).

PRESENT ACTIVITIES : R & D IN EXPERIMENTAL AERODYNAMICS.

LANGUAGES : KANNADA, TELUGU, TAMIL, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : TEST REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14.

6988

SHRI S SREEPATHY; (B. JUNE 30, 1943),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADURAI '62; A.I.C. ANALYTICAL CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '77.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY.

EXPERIENCE : DEMONSTRATOR, VARIOUS COLLEGES IN TAMIL NADU, 1966-70; S.L.A., J.S.A., S.S.A. AND SCIENTIST B, N.A.L., 1970-87; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS.

LANGUAGES : KANNADA, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : QUALITY CONTROL - 19.

6989

SHRI C SRINIVASA; (B. DECEMBER 8, 1951),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '74; M.TECH. COMBUSTION AND PROPULSION - I.I.T., MADRAS '76.

SPECIALIZATIONS : THERMODYNAMICS.

EXPERIENCE : LECTURER, M.S. RAMIAH COLLEGE OF ENGINEERING, BANGALORE, 1976-77; S.S.A., H.A.L., BANGALORE, 1977-78; LECTURER, B.M.S. COLLEGE OF ENGINEERING, H.A.L., BANGALORE, 1978; LECTURER, R.V. COLLEGE OF ENGINEERING, BANGALORE, 1978-79; SCIENTIST B, N.A.L., 1979-85; SCIENTIST C, N.A.L. SINCE AUGUST, 1985.

PRESENT ACTIVITIES : RESEARCH IN THERMODYNAMICS AND COMPUTATIONAL FLUID DYNAMICS.

LANGUAGES : KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : ASIC RES. AND APP. RES. - 12.

6990

SHRI ASHOK SRIVASTAVA; (B. MARCH 26, 1954),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AERONAUTICAL ENGG. - I.I.T., KANPUR '77; M.E. AERONAUTICS - I.I.S.C., BANGALORE '79.

SPECIALIZATIONS : AERONAUTICAL ENGINEERING.

EXPERIENCE : ENGINEER, AIR INDIA, 1979-83; SCIENTIFIC OFFICER, I.I.S.C., BANGALORE 1983-87; SCIENTIST C, MINISTRY OF DEFENCE, H.A.L., 1987-88; SCIENTIST C, N.A.L., BANGALORE SINCE JUNE, 1988.

PRESENT ACTIVITIES : COMPUTATIONAL FLUID DYNAMICS.

LANGUAGES : HINDI, ENGLISH.

6991

SHRI C SUBRAMANIAM; (B. JANUARY 3, 1955),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '76; M.SC. APPLIED SCIENCE & APPLIED CHEMISTRY - MADRAS '78; M.SC.(ENGG.) POLYMER SCIENCE & TECHNOLOGY - I.I.S.C., BANGALORE '83.

SPECIALIZATIONS : POLYMER SCIENCE & TECHNOLOGY.

EXPERIENCE : RESEARCH ASSOCIATE, INDIAN PHYSICAL INDUSTRIES RESEARCH INSTITUTE, BANGALORE, 1979-80; SCIENTIST B, N.A.L. 1983-88; SCIENTIST C, N.A.L. SINCE DECEMBER 1988.

PRESENT ACTIVITIES : DEVELOPMENT & FABRICATION.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, PILOT PLANT - 4.

6992

SHRI H N SUDHEENDRA; (B. DECEMBER 6, 1953),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

6993

SHRI M R SURESH; (B. FEBRUARY 12, 1946),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - KARNATAKA '65.

SPECIALIZATIONS : COMPUTER HARDWARE ENGINEERING.

EXPERIENCE : ELECTRICAL SUPERVISOR, M/S MONTAGUE PHILIPS AND CO., BANGALORE, 1965-67; S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1967-88; SCIENTIST CI, N.A.L. SINCE JULY, 1988.

PRESENT ACTIVITIES : HARDWARE MAINTENANCE OF COMPUTERS, PERIPHERALS AND OTHER EQUIPMENTS LIKE UPS SYSTEM, AIRCONDITIONING PLANTS ETC.

LANGUAGES : TELUGU, KANNADA, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 8, MAINTENANCE - 15, PLANNING - 1.

6994

SHRI E GOBINDARAJA SWAMY; (B. MAY 18, 1945),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRONICS - MYSORE '74; P.D.COMPUTER ENGINEERING - KARNATAK '77; M.TECH. INDUSTRIAL ELECTRONICS - MYSORE '90.

SPECIALIZATIONS : POWER ELECTRONICS; PERSONAL COMPUTER BASED SYSTEMS; MICRO PROCESSOR BASED SYSTEMS.

EXPERIENCE : J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L. 1974-87; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D, DESIGN, TECHNICAL DEV. AND PILOT PLANT.

LANGUAGES : TAMIL, KANNADA, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 7, TECHNICAL DEV. - 3, PILOT PLANT - 8, PRODUCTION - 8.

6995

SHRI K N NARASIMHA SWAMY; (B. MAY 12, 1938),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '60.

SPECIALIZATIONS : WIND TUNNEL TESTING; MECHANICAL ENGINEERING.

EXPERIENCE : J.L.A., S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1961-88; SCIENTIST B, N.A.L. 1983-88; SCIENTIST C, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : PLANNING, TESTING, OPERATION AND MAINTENANCE.

LANGUAGES : KANNADA, HINDI, ENGLISH.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1991.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 32, OPERATION - 32, MAINTENANCE - 32, TESTING - 32.

6996

SHRI S KRISHNA SWAMY; (B. DECEMBER 27, 1936),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - KARNATAKA '60.

SPECIALIZATIONS : AEROFOIL PROFILE MILLING.

EXPERIENCE : GRADUATE APPRENTICE, SR. FITTER MECHANIC, MECHANICAL ASSISTANT, S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1961-88; SCIENTIST CI, N.A.L. SINCE AUGUST, 1988.

PRESENT ACTIVITIES : DESIGN AND FABRIACATION.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 10, OPERATION - 11, TESTING - 22, MAINTENANCE - 20, PRODUCTION - 22.

6997

DR P S SWATHI; (B. AUGUST 30, 1957),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. MECHANICAL ENGG. - I.I.T., MADRAS '80; M.S. MECHANICAL ENGG. - KENNTUCKY, U S A '85; PH.D. MECHANICAL ENGG. - ARHONA, U S A '89.

SPECIALIZATIONS : HEAT TRANSFER AND FLUID FLOWS; COMPUTATIONAL METHODS; RADIATIVE TRANSFER.

EXPERIENCE : FELLOW AND SCIENTIST C, C-MMACS, 1989-92; SCIENTIST C, N.A.L. SINCE OCTOBER, 1992.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TAMIL, ENGLISH.

VISITED : U S A

6998

DR ASHISH TEWARI; (B. SEPTEMBER 11, 1964),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

6999

SHRI K S THUNGA; (B. FEBRUARY 14, 1942),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - KARNATAKA '62; A.M.I.E. MECHANICAL ENGINEERING - INSTITUTION OF ENGINEERS (INDIA) '67; A.M.A.E.S.I. - AERONAUTICAL SOCIETY OF INDIA '72.

SPECIALIZATIONS : TURBOMACHINES; MECHANICAL ENGINEERING.

EXPERIENCE : GRADUATE APPRENTICE, DRAUGHTSMAN, J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1962-82; (ALSO HIGHER TRAINING IN TESTING AND PERFORMANCE EVALUATION OF TURBINES, STRESS ANALYSIS OF TURBINE COMPONENTS, ROTOR DYNAMICS, VIBRATIONS AND BAL-

330

ANCING OF TURBINES ROTORS, CANADA, 1976-77); SCIENTIST C, N.A.L. SINCE JANUARY, 1983.

PRESENT ACTIVITIES : DESIGN, DEVELOPMENT AND COMMISSIONING OF TURBOPOWER PACKS.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : CANADA.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 26, TECH. DEV. - 15.

7000

SHRI N S VASUDEVA; (B. APRIL 18, 1942),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : A.M.AE.S.I. AERONAUTICAL ENGINEERING - AERONAUTICAL SOCIETY OF INDIA '74; M.E. AERONAUTICAL ENGG. - ANNA '90.

SPECIALIZATIONS : AERODYNAMICS; EXPERIMENTAL AERONAUTICS; WIND TUNNEL TESTING.

EXPERIENCE : DRAUGHTSMAN, KIRLOSKAR ELECTRIC CO., BANGALORE, 1964-65; JUNIOR DRAUGHTSMAN, SENIOR DRAUGHTSMAN, J.T.A., S.T.A. AND SCIENTIST B, N.A.L., 1965-87; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN EXPERIMENTAL AERODYNAMICS; TESTING WIND TUNNEL MODELS.

LANGUAGES : KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 13, TECH. DEV. - 24.

7001

SHRI V M VEERARAGHAVELU; (B. JULY 13, 1951),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - M.E.I. POLYTECHNIC '69; B.E. ELECTRICAL - BANGALORE '82.

SPECIALIZATIONS : ELECTRICAL ENGINEERING; ELECTRONIC INSTRUMENTATION.

EXPERIENCE : SUPERVISOR, PVT. ENGINEERING FIRM, BANGALORE, 1967-72; JUNIOR MECHANIC, S.L.A., J.T.A. AND S.T.A., 1972-87; SCIENTIST C, N.A.L. SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : R & D IN ELECTRONICS & INSTRUMENTATION.

LANGUAGES : TELUGU, KANNADA, TAMIL, HINDI, ENGLISH.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEVELOPMENT OF AN AUTOMATIC VISUAL RANGE ASSESSOR, 1987.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 5, TECH. DEV. - 5, PILOT PLANT - 6, R & D MGMT. - 2, PRODUCTION - 3.

7002

SHRI K G VENKATANARAYANA; (B. MAY 20, 1954),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '72; B.E. ELECTRONICS & COMMUNICATION - MYSORE '76; M.TECH. ELECTRONICS DESIGN & TECHNOLOGY - I.I.S.C., BANGALORE '92.

SPECIALIZATIONS : ELECTRONICS ENGINEERING; ELECTRONIC CIRCUIT DESIGN AND DEVELOPMENT; DESIGN AND DEVELOPMENT OF COMMUNICATION CIRCUITS; FABRICATION, TESTING, CALIBRATION OF ELECTRONICS AND ELECTRICAL SYSTEMS; MAINTENANCE OF ELECTRONIC SYSTEMS.

EXPERIENCE : J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L. 1977-89; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF ELECTRIC EQUIPMENTS/SYSTEMS.

LANGUAGES : KANNADA, HINDI, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 15, R & D - 2, DESIGN - 5, TESTING - 15, QUALITY CONTROL - 15, PRODUCTION - 15.

7003

SHRI K S VENKATANARAYANA; (B. APRIL 12, 1942),

SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - BANGALORE '60.

SPECIALIZATIONS : MAINTENANCE AND OPERATION OF SUB-STATIONS AND INSTALLATIONS; POWER CONTROL SYSTEMS; TROUBLESHOOTING IN MACHINE TOOLS; MAINTENANCE AND OPERATION OF DIESEL GENERATING SETS.

EXPERIENCE : JUNIOR FINE MECHANIC, SENIOR ELECTRICAL FOREMAN, SCIENTIST A AND SCIENTIST B, N.A.L. 1960-90; SCIENTIST CI, N.A.L. SINCE JANUARY, 1990.

PRESENT ACTIVITIES : MAINTENANCE AND OPERATION OF SUB-STATIONS & ELECTRICAL INSTALLATIONS & POWER CONTROL SYSTEMS; DESIGN & FABRICATION OF CONTROL FOR SPECIAL PURPOSE MACHINES; MAINTENANCE & OPERATION OF DIESEL GENERATING SETS.

LANGUAGES : KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION, OPERATION, TESTING, MAINTENANCE AND PLANNING - 30.

7004

SHRI J VENKATARAMANA; (B. JUNE 5, 1938),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - ANDHRA PRADESH '61.

SPECIALIZATIONS : WORKSHOP TECHNOLOGY; APPLIED MECHANICS; HEAT ENGINES.

EXPERIENCE : GRADUATE APPRENTICE, J.L.A., SR. FITTER MECHANIC, J.T.A., S.T.A. AND SCIENTIST A, N.A.L., 1963-84; SCIENTIST B1, N.A.L., 1990; SCIENTIST C, N.A.L. SINCE JANUARY, 1990.

PRESENT ACTIVITIES : FABRICATION, ASSEMBLY AND INSPECTION OF SHEET METAL WORKS.

LANGUAGES : MARATHI, TELUGU, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 22, OPERATION - 22, TESTING - 22.

7005

SHRI M A VENKATASWAMY; (B. MAY 20, 1957),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7006

SHRI S VISWANATHAN; (B. JANUARY 8, 1938),
SCIENTIST CI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - KERALA '60.

SPECIALIZATIONS : COMPUTATIONAL AERODYNAMICS; COMPUTATIONAL FLUID DYNAMICS.

EXPERIENCE : UPPER DIVISION COMPILER, OFFICE OF SUPERINTENDENT OF CENSUS OPERATION, TRIVANDRUM, 1961; J.L.A., S.L.A., J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, N.A.L., 1961-88; SCIENTIST CI, N.A.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN COMPUTATIONAL AERODYNAMICS.

LANGUAGES : KONKANI, MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 22, DESIGN - 5, TESTING - 5, COMPUTER PROCESSING - 22.

7007

SHRI M G S VITTAL; (B. JULY 22, 1945),
SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - BOARD OF TECHNICAL EDUCATION '64; B.E. ELECTRICAL - BANGALORE '80.

SPECIALIZATIONS : ELECTRICAL ENGINEERING.

EXPERIENCE : S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1966-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : FABRICATION OF TRANSDUCERS AND SIGNAL CONDITIONERS.

LANGUAGES : KANNADA, TELUGU, TAMIL, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 23, PRODUCTION - 23.

7008

SHRI N G VIJAYA VITTALA; (B. MARCH 29, 1951),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. PHYSICS - BANGALORE '72; M.SC. (ENGG.) STRUCTURAL ANALYSIS (RANDOM VIBRATIONS) - I.I.S.C., BANGALORE '88.

SPECIALIZATIONS : EXPERIMENTAL STRUCTURAL ANALYSIS.

EXPERIENCE : DEMONSTRATOR, ST. JOSEPH COLLEGE, BANGALORE, 1972-73; LECTURER, JUNIOR COLLEGE, BANGALORE, 1973-75; J.S.A., S.S.A. AND SCIENTIST B, N.A.L., 1975-86; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN AEROELASTICITY.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, COMPUTER PROCESSING - 5.

7009

SHRI HABIB AGHA; (B. JULY 4, 1940),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7010

DR D AMARANARAYAN; (B. MARCH 14, 1962),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.B.B.S. - GULBARGA '87.

EXPERIENCE : HOUSE SURGEON, BOWRING & LADY CURZON HOSPITAL, BANGALORE, 1987-88; JR. DOCTOR, BHARATHI NURSING HOME, BASAWANGUDI, BANGALORE, 1988-91; SCIENTIST B, N.A.L. SINCE SEPTEMBER, 1991.

PRESENT ACTIVITIES : CLINICAL.

LANGUAGES : TAMIL, ENGLISH, KANNADA, HINDI.

7011

SHRI K SURESH ANAND; (B. JUNE 29, 1965),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '88; M.E. MACHINE DESIGN - BANGALORE '90.

SPECIALIZATIONS : MACHINE DESIGN; MECHANICAL TESTING.

EXPERIENCE : PROJECT TRAINEE, N.A.L., 1989-90; SYSTEM ANALYST (CONTRACT), H.A.L., BANGALORE, 1990-92; SCIENTIST B, N.A.L. SINCE JANUARY, 1992.

PRESENT ACTIVITIES : MECHANICAL TESTING, FABRICATION AND DESIGN.

7012

SHRI SAMSON ARULRAJ; (B. SEPTEMBER 7, 1941),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : S.S.L.C. - MADRAS '58; D.E.E. - I.A.F. '64.

SPECIALIZATIONS : FATIGUE TEST AS RELATED TO AIRCRAFT; SERVO HYDRAULICS FOR ALL MATERIALS TESTING FACILITIES.

EXPERIENCE : CORPORAL GD I, I.A.F., 1961-71; ELECTRICIAN, GRIND WELL NORTON LTD., 1971-75; SCIENTIST B, N.A.L. SINCE JULY, 1975.

PRESENT ACTIVITIES : SERVO HYDRAULIC SYSTEMS OF MATERIALS TESTING.

LANGUAGES : TAMIL, ENGLISH, HINDI, MALAYALAM, KANNADA.

VISITED : U.K.

7013

SHRI G ASHOK; (B. NOVEMBER 15, 1967),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AEROSPACE - I.I.T., MADRAS '89; M.S. AEROSPACE - I.I.T., MADRAS '92.

SPECIALIZATIONS : AIRCRAFT DESIGN; WING AERODYNAMICS.

EXPERIENCE : SCIENTIST B, N.A.L. SINCE FEBRUARY, 1992.

PRESENT ACTIVITIES : RESEARCH, DEVELOPMENT AND DESIGN.

LANGUAGES : TAMIL, HINDI, ENGLISH.

7014

SHRI BASAPPA; (B. APRIL 20, 1961),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '86; M.E. AEROSPACE - I.I.S.C. BANGALORE '88.

SPECIALIZATIONS : FLIGHT MECHANICS; A/C DESIGN AND CONTROL ENGINEERING; EXPERIMENTAL AERODYNAMICS; COMPUTER SOFTWARE.

EXPERIENCE : AERONAUTICAL ENGINEER(DESIGN), H.A.L., BANGALORE, 1988-91; SCIENTIST B, N.A.L. SINCE JUNE, 1991.

PRESENT ACTIVITIES : RESEARCH IN FLIGHT MECHANICS.

LANGUAGES : TELUGU, KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 3, DESIGN - 3, R & D MANAGEMENT 1.5.

7015

SHRI A BERKMANS; (B. FEBRUARY 17, 1938),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : S.S.L.C. - MYSORE '57.

EXPERIENCE : JR. MECHANIC, SR. MECHANIC, MECH. ASST. AND SCIENTIST A, N.A.L., 1963-92; SCIENTIST BI, N.A.L. SINCE JULY, 1992.

PRESENT ACTIVITIES : TECHNICAL DEVELOPMENT; FABRICATION.

LANGUAGES : TAMIL, ENGLISH.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1991, 1992.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 30.

7016

SHRI B K KESHAVA BHAGAWAN; (B. JANUARY 17, 1937),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN RADIO ENGINEERING (ELECTRONICS) - S.J. POLYTECHNIC, BANGALORE '60.

SPECIALIZATIONS : ELECTRONICS.

EXPERIENCE : S.L.A., I.I.S.C., BANGALORE, 1960-62; SERVICE ENGINEER, CENTURY ELECTRONIC LABORATORY, BANGALORE, 1962-64; J.S.A., S.S.A. AND SCIENTIST A, N.A.L., 1964-88; SCIENTIST B, N.A.L. SINCE APRIL, 1988.

PRESENT ACTIVITIES : MAINTENANCE & TESTING OF ELECTRONIC EQUIPMENT.

LANGUAGES : TAMIL, KANNADA, TELUGU, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 5, CONSTRUCTION - 20, OPERATION - 20, TESTING - 10, MAINTENANCE - 12.

7017

SHRI B CHAKRAVARTHY; (B. JULY 19, 1968),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7018

SHRI S BHASKAR CHAKRAVARTHY; (B. OCTOBER 28, 1963),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '85; A.M.A.E.S.I AERODYNAMICS - AERONAUTICAL SOCIETY OF INDIA '89; M.E. AEROSPACE ENGG. - I.I.S.C., BANGALORE '92.

SPECIALIZATIONS : AERODYNAMICS; FLIGHT MECHANICS; A/C DESIGN.

EXPERIENCE : SCIENTIST B, N.A.L. SINCE FEBRUARY, 1992.

PRESENT ACTIVITIES : DESIGN.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 2.**7022****7019**

SHRI M GIRISH CHANDRA; (B. MARCH 25, 1968),
SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRONICS - BANGALORE '90;
M.TECH. COMMUNICATION SYSTEMS - I.I.T., MADRAS '93.

SPECIALIZATIONS : COMMUNICATION SYSTEMS AND HIGH-FREQUENCY TECHNOLOGY; DIGITAL SIGNAL PROCESSING; OPTICAL ENGINEERING.

EXPERIENCE : SCIENTIST B, N.A.L. SINCE MAY, 1992.

PRESENT ACTIVITIES : R & D.

LANGUAGES : KANNADA, ENGLISH.

7020

SHRI L R CHANDRAMOHAN; (B. JUNE 2, 1939),
SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - S.J. POLYTECHNIC, BANGALORE '86.

SPECIALIZATIONS : FABRICATION OF F R P AIRCRAFTS.

EXPERIENCE : J.L.A. MODEL MAKER, J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1965-89; SCIENTIST BI, N.A.L. SINCE FEBRUARY, 1989.

LANGUAGES : MARATHI, KANNADA, HINDI.

VISITED : FRANCE.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 20, TECH. TRANSFER - 2, PRODUCTION - 10.

7021

SHRI K R CHANDRASHEKAR; (B. DECEMBER 31, 1953),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - BANGALORE '83.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION.

EXPERIENCE : J.T.A., N.A.L., 1975-85; E.O.G. (I), C.P.R.I., BANGALORE, 1985-88; SCIENTIST B, N.A.L. SINCE JULY, 1988.

PRESENT ACTIVITIES : OPERATION AND MAINTENANCE.

LANGUAGES : KANNADA, ENGLISH.

VISITED : ITALY.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 7.

AWARDS & DISTINCTIONS : SIR THOMAS WARD MEMORIAL GOLD MEDAL, INSTITUTION OF ENGINEERS (INDIA), 1985-86.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 5, DESIGN - 7, TESTING - 5, PILOT PLANT - 5, MAINTENANCE - 5, PRODUCTION - 5.

SHRI R CUNNINGHAM; (B. DECEMBER 26, 1936),
SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : MERCHANT NAVY ENGINE ROOM TRAINING - INDIAN NAVY '59.

EXPERIENCE : APPRENTICE-SHIP, BINNY'S ENGG., 1955-57; MERCHANT NAVY ENGINE ROOM FITTER, 1959-64; (FITTER), M/S CANADIAN VICKER CANADA 1965-67; SR. FITTER MECH., J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1967-84; SCIENTIST BI, N.A.L. SINCE OCTOBER, 1984.

PRESENT ACTIVITIES : ENGAGED AS FITTER.

7023

SHRI G N DAYANANDA; (B. AUGUST 19, 1962),
SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '84; M.E. MACHINE DESIGN - BANGALORE '87.

SPECIALIZATIONS : DESIGN OF PROCESS EQUIPMENT FOR CURING COMPOSITES.

EXPERIENCE : S.R.F., N.A.L., 1987-88; SCIENTIST B, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : RESEARCH & DEVELOPMENT.

LANGUAGES : KANNADA, HINDI, ENGLISH.

7024

SHRI K DWARAKANATH; (B. MAY 22, 1962),
SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '84; PROFICIENCY COURSE IN FINITE ELEMENT METHOD & STRUCTURAL ANALYSIS - I.I.S.C., BANGALORE '85.

SPECIALIZATIONS : STRUCTURAL ANALYSIS.

EXPERIENCE : J.R.F., N.A.L., 1986-87; SCIENTIST B, N.A.L. SINCE MAY, 1987.

PRESENT ACTIVITIES : R & D IN STRUCTURAL ANALYSIS.

LANGUAGES : TELUGU, KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5.

7025

SHRI MIR ABDUL FAROOK; (B. NOVEMBER 15, 1960),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL ENGG. - BANGALORE '84; M.E. MECHANICAL ENGG. - BANGALORE '88.

SPECIALIZATIONS : COMPOSITE MATERIALS; COMPOSITE STRUCTURES.

334

EXPERIENCE : GRAD. APPRENTICE, B.E.L., 1985-86; LECTURER, G.C. COLLEGE OF ENGG., 1986-88; GRAD. ENGINEER, TATA CONSULTANCY, BANGALORE, 1988-89; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : DESIGN AND TESTING OF COMPOSITE STRUCTURES.

LANGUAGES : URDU, HINDI, KANNADA, ARABIC, ENGLISH.

VISITED : SYRIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 22.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1993.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 2, TESTING - 6.

7026

SHRI C N GANGADHARAN; (B. SEPTEMBER 8, 1938),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : P.U.C. SCIENCE - KERALA '59.

EXPERIENCE : FINE MECHANIC, J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1965-89; SCIENTIST B, N.A.L. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : TECHNICAL DEV.

LANGUAGES : TAMIL, MALAYALAM, SANSKRIT, HINDI, ENGLISH.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1990, 1992.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. - 28.

7027

SHRI V GOPALAKRISHNAN; (B. FEBRUARY 16, 1950),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '71; P.G. DIPLOMA IN INSTRUMENTATION - BANGALORE '77; GRAD. I.E.T.E. ELECTRONICS - INSTITUTION OF ELECTRONICS & TELECOMMUNICATION ENGINEERS '79; M.E. INSTRUMENTATION - ANNA '82.

SPECIALIZATIONS : ELECTRONICS; ELECTRONIC INSTRUMENTATION; COMPUTER SOFTWARE DEVELOPMENT.

EXPERIENCE : J.L.A., S.L.A., J.S.A., S.S.A. AND SCIENTIST A, N.A.L., 1972-84; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1984.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT OF MICROPROCESSORS PROGRAMME.

LANGUAGES : TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : ARTICLES - 38,

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 10, CONSTRUCTION - 10.

7028

SHRI P R GOPINATH; (B. OCTOBER 22, 1962),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - BANGALORE '85.

SPECIALIZATIONS : MECHANICAL ENGINEERING; OPERATION RESEARCH; TOOL ENGINEERING AND DESIGN.

EXPERIENCE : JR. RESEARCH FELLOW, N.A.L., 1986-88; SCIENTIST B, N.A.L. SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : R & D.

7029

SHRI N A CHANNE GOWDA; (B. JUNE 10, 1942),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : S.S.L.C. 1961-62.

EXPERIENCE : S.T.A AND SCIENTIST AI, N.A.L., 1982-92; SCIENTIST BI, N.A.L. SINCE DECEMBER, 1992.

PRESENT ACTIVITIES : TELEPHONY.

LANGUAGES : KANNADA, TELUGU, HINDI, TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 29.

7030

SHRI S NEELAKANTA IYER; (B. SEPTEMBER 3, 1951),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. PHYSICS - KERALA '71.

SPECIALIZATIONS : HARDWARE ELECTRONICS.

EXPERIENCE : S.L.A., J.T.A., S.T.A. AND SCIENTIST B, N.A.L., 1972-88; SCIENTIST BI, N.A.L. SINCE MARCH, 1988.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT.

LANGUAGES : TAMIL, MALAYALAM, HINDI, ENGLISH.

7031

SMT SRIDEVI JADE; (B.),

SCIENTIST B, C-MMACS, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - OSMANIA '86; M.E. GEOTECHNICAL ENGINEERING - I.I.S.C., BANGALORE '88.

SPECIALIZATIONS : COMPUTER SIMULATION; MATHEMATICAL MODELLING.

EXPERIENCE : FELLOW AND SCIENTIST B, C.B.R.I., 1988-93; SCIENTIST B, C-MMACS, N.A.L. SINCE MARCH, 1993.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, HINDI, KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 3.

7032**SHRI V R JAIKUMAR; (B. MAY 20, 1948),**

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BOARD OF TECHNICAL EDUCATION, BANGALORE '68.**SPECIALIZATIONS :** MILLING, JIG-BORING AND CO-ORDINATE MEASURING.**EXPERIENCE :** INPLANT TRAINEE, INDIAN TELEPHONE INDUSTRIES, 1968-69; MACHINIST, E.M.E., 515 ARMY BASE WORK SHOP, 1969-71; VARIOUS TECHNICAL POSITIONS AND SCIENTIST AI, N.A.L., 1971-91; SCIENTIST BI, N.A.L. SINCE SEPTEMBER, 1991.**PRESENT ACTIVITIES :** FABRICATION OF WIND TUNNEL MODELS.**LANGUAGES :** TAMIL, HINDI, KANNADA, ENGLISH.**7033****SHRI V ABDUL JALEEL; (B. NOVEMBER 25, 1948),**

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE

QUALIFICATIONS : B.SC. CHEMISTRY - MADRAS '70; A.I.C. ANALYTICAL CHEMISTRY - INSTITUTION OF CHEMISTS (INDIA) '77.**SPECIALIZATIONS :** CHEMICAL ANALYSIS.**EXPERIENCE :** DEMONSTRATOR, C.A.H. COLLEGE, 1971-73; J.L.A., S.L.A., J.S.A. S.S.A. AND SCIENTIST AI, N.A.L., 1973-91; SCIENTIST BI, N.A.L. SINCE 1992.**PRESENT ACTIVITIES :** ANALYSIS/CHARACTERISATION OF NON OXIDE.**LANGUAGES :** URDU, HINDI, TAMIL, KANNADA, ENGLISH.**VISITED :** FRANCE.**PUBLICATIONS & PATENTS :** RES. PAPERS - 5, TECH. REPORTS - 3, PATENTS FILED - 2, PROCESSES DEVELOPED - 1.**AWARDS & DISTINCTIONS :** NAL AWARD FOR OUTSTANDING PERFORMANCE, 1991.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 4, APP. RES. - 16, TEACHING - 3.**7034****SHRI C JAYACHANDRAN; (B. JUNE 4, 1948),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - TECHNICAL EDUCATION BOARD, KARNATAKA '69.**SPECIALIZATIONS :** TRANSDUCERS/SENSORS.**EXPERIENCE :** SCIENTIST A, N.A.L. 1983-83; SCIENTIST B, N.A.L., SINCE NOVEMBER 1983.**PRESENT ACTIVITIES :** TECHNICAL DEVELOPMENT OF TRANSDUCERS/SENSORS.**LANGUAGES :** TELUGU, KANNADA, TAMIL.**PROFESSIONAL EXPERIENCE(IN YEARS) :** TECH. DEV. - 10.**7035****MRS J JAYANIHI; (B. MAY 27, 1961),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. PHYSICS - MADRAS '81; B.TECH. ELECTRONICS - ANNA '84.**SPECIALIZATIONS :** SOFTWARE DEVELOPMENT FOR MICROPROCESSOR APPLICATIONS.**EXPERIENCE :** SCIENTIST, DRDL, 1984-86; CUSTOMER SUPPORT ENGINEER, ADVANCED MICRONIC DEVICES PVT. LTD., 1986-89; SCIENTIST B, N.A.L. SINCE JUNE, 1989.**PRESENT ACTIVITIES :** SOFTWARE DEVELOPMENT.**LANGUAGES :** TAMIL, SANSKRIT, ENGLISH.**7036****SHRI C JAYATHEERTHA; (B. MARCH 27, 1962),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '84; M.E. STRUCTURES - BANGALORE '87.**SPECIALIZATIONS :** STRUCTURAL ENGINEERING; STRESS ANALYSIS.**EXPERIENCE :** SCIENTIST B, N.A.L. SINCE MAY, 1987.**PRESENT ACTIVITIES :** R & D IN STRESS ANALYSIS.**LANGUAGES :** KANNADA, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 4.**7037****SHRI ANOOP JHARIA; (B. JULY 7, 1964),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - RAVISHANKAR '86; M.TECH. AERONAUTICAL - I.I.T., BOMBAY '88.**SPECIALIZATIONS :** AIRCRAFT STRUCTURES; FINITE ELEMENT ANALYSIS; COMPUTER AIDED DESIGN; COMPUTER PROGRAMMING.**EXPERIENCE :** SCIENTIST B, N.A.L. SINCE JULY, 1988.**PRESENT ACTIVITIES :** DESIGN & ANALYSIS.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 2, TECH. REPORTS - 5.**PROFESSIONAL EXPERIENCE(IN YEARS) :** DESIGN - 6.**7038****SHRI SUNIL CHANDRAKANT JOSHI; (B. FEBRUARY 15, 1963),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : D.C.E. CIVIL ENGG. - GOVT. POLYTECHNIC, RATNAGIRI '83; B.E. CIVIL ENGG. - SHIVAJI '86; M.TECH. AERONAUTICAL ENGG. - I.I.T., BOMBAY - '88.**SPECIALIZATIONS :** AIRCRAFT STRUCTURES.

336

EXPERIENCE : SCIENTIST B, N.A.L. SINCE JUNE, 1988.**PRESENT ACTIVITIES** : R & D.**7039****SHRI V KALIDAS; (B. NOVEMBER 18, 1938),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING (AEROENGINES) - I.A.F. '62; B.A. - PANJAB '73; CERTIFICATE IN SUPERVISION - NATIONAL PRODUCTIVITY COUNCIL 71.**SPECIALIZATIONS** : MECHANICAL ENGINEERING; MAINTENANCE AND OPERATION.**EXPERIENCE** : SERGEANT, I.A.F., 1957-73; J.T.A. AND S.T.A., 1973-83; SCIENTIST A, N.A.L. 1983-88; SCIENTIST B, N.A.L. SINCE AUGUST, 1988.**PRESENT ACTIVITIES** : OPERATION, MAINTENANCE, DEVELOPMENT AND MODIFICATION OF COMPRESSOR COMPLEX.**LANGUAGES** : TELUGU, HINDI, KANNADA, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : OPERATION - 15, MAINTENANCE - 18.**7040****SHRI M S KAMALESHAIAH; (B. FEBRUARY 26, 1961),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN INSTRUMENT TECHNOLOGY - CSIO, CHANDIGARH '80; A.M.I.E. MECHANICAL - INSTITUTION OF ENGINEERS (INDIA) '84; M.TECH. MECHANICAL (THERMAL TURBOMACHINES) - I.I.T., MADRAS '88.**SPECIALIZATIONS** : WIND TUNNEL MODEL DESIGN; TESTING AND ANALYSIS FOR AERONAUTICAL AND AEROSPACE APPLICATIONS.**EXPERIENCE** : S.T.A., DYNAMIC HYDRAULICS, BANGALORE, 1980-82; J.T.A., N.A.L., 1983-86; SCIENTIST B, N.A.L. SINCE MAY, 1988.**PRESENT ACTIVITIES** : WIND TUNNEL TESTING.**7041****SHRI V KAMARAJ; (B. MAY 28, 1963),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. PHYSICS - MADRAS '83; B.TECH. AERONAUTICAL - ANNA '86; M.E. AERODYNAMICS - I.I.S.C., BANGALORE '89.**SPECIALIZATIONS** : AERODYNAMICS.**EXPERIENCE** : TRAINEE, MADRAS FLYING CLUB, 1985; ASST. AERONAUTICAL ENGINEER, H.A.L. BANGALORE, 1986-87; SCIENTIST B, N.A.L. SINCE DECEMBER, 1988.**PRESENT ACTIVITIES** : R & D, WIND TUNNEL TESTING.**7042****SHRI ASHOK KAMATH; (B. APRIL 18, 1950),**

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES.

QUALIFICATIONS : B.SC. - BANGALORE '70; P.G.DIPLOMA STATISTICS - BANGALORE '77.**SPECIALIZATIONS** : COMPUTER PROGRAMMING.**EXPERIENCE** : S.L.A., J.T.A., S.T.A. AND SCIENTIST A, N.A.L., BANGALORE, 1973- 89; SCIENTIST BI, N.A.L. SINCE JULY, 1989.**PRESENT ACTIVITIES** : COMPUTER PROGRAMMING.**7043****SHRI J V KAMESH; (B. SEPTEMBER 10, 1959),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. (HONS) MECHANICAL - MADRAS '83; M.SC. (ENGG) AEROSPACE ENGG. - I.I.S.C. '87.**SPECIALIZATIONS** : STRUCTURAL DYNAMICS, AEROELASTICITY AND PARALLEL PROCESSING.**EXPERIENCE** : SCIENTIST B, N.A.L. SINCE JULY, 1988.**PRESENT ACTIVITIES** : APPLIED RESEARCH.**LANGUAGES** : TELUGU, HINDI, KANNADA, TAMIL, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 2, TECH. REPORTS - 7.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APPLIED RESEARCH - 5.**7044****SHRI D KANNAN; (B. APRIL 25, 1944),**

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE

7045**SHRI K KARTHIK; (B. OCTOBER 31, 1968),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AEROSPACE ENGINEERING - I.I.T., MADRAS '89; M.S. AEROSPACE ENGINEERING - I.I.T., MADRAS '93.**SPECIALIZATIONS** : AEROSPACE ENGINEERING DESIGN.**EXPERIENCE** : SCIENTIST B, N.A.L. SINCE FEBRUARY, 1992.**PRESENT ACTIVITIES** : AIRCRAFT DESIGN.**LANGUAGES** : TAMIL, ENGLISH, GERMAN.**7046****SHRI V KOTHANDARAMAN; (B. JUNE 1, 1939),**

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - MEI POLYTECHNIC, BANGALORE.

SPECIALIZATIONS : MACHINE SHOP AND MAINTENANCE OF COMPUTERS; MACHINE TOOL OPERATION.

EXPERIENCE : S.T.A. AND SCIENTIST AI, N.A.L. 1982-92; SCIENTIST B, N.A.L. SINCE JUNE, 1992.

PRESENT ACTIVITIES : MAINTENANCE OF COMPUTERS AND UPS SYSTEMS.

LANGUAGES : TAMIL, TELUGU, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : MECHANICAL ENGINEERING - 20, COMPUTER MAINTENANCE - 9.

7047

SHRI M V KRISHNA; (B. JUNE 21, 1959),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - BANGALORE '83.

EXPERIENCE : MAINTENANCE ENGINEERING BEB AND CROMPTON ENGG., BANGALORE, 1984-85; SCIENTIST B, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : MAINTENANCE & OPERATION.

LANGUAGES : KANNADA, ENGLISH.

7048

SHRI P S KULASHEKHAR; (B. MAY 30, 1948),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. MATHEMATICS - MYSORE '69.

SPECIALIZATIONS : COMPUTER SOFTWARE DEVELOPMENT; CONSULTANCY IN SOFTWARE.

EXPERIENCE : OPERATOR TRAINEE, COMPUTER OPERATOR AND COMPUTER PROGRAMMER, I.I.S.C., BANGALORE, 1980-84; SCIENTIST B, N.A.L. SINCE MAY, 1984.

PRESENT ACTIVITIES : COMPUTER SOFTWARE SYSTEMS AND APPLICATION.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : COMPUTER PROCESSING - 11.

7049

SHRI A RAJU KUMAR; (B. MAY 6, 1964),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. MATHEMATICS - MADRAS '84; B.TECH. AERONAUTICS - ANNA '87; M.E. AERONAUTICS - ANNA '89.

SPECIALIZATIONS : AIRCRAFT STRUCTURES; COMPOSITE MATERIALS.

EXPERIENCE : SCIENTIST B, N.A.L. SINCE MAY, 1989.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT.

LANGUAGES : TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 4.

7050

SHRI K N ARUN KUMAR; (B. MAY 11, 1964),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. - MYSORE '86; M.TECH. INDUSTRIAL ELECTRONICS - MANGALORE '90.

SPECIALIZATIONS : INSTRUMENTATION; DATA ANALYSIS; DATA ACQUISITION; SYSTEM MAINTENANCE.

EXPERIENCE : SCIENTIST B, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION, 1988; SCIENTIST B, N.A.L. SINCE MAY, 1989.

PRESENT ACTIVITIES : ACOUSTIC INSTRUMENTATION.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 1, TESTING - 4.

7051

SHRI M RAMESH KUMAR; (B. JANUARY 6, 1966),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ENGINEERING ELECTRICAL AND ELECTRONICS - T.N. DIRECTORATE OF TECH. EDUCATION '86; DEGREE IN ENGINEERING ELECTRICAL & ELECTRONICS - MADURAI KAMRAJ '90.

SPECIALIZATIONS : COMPUTER SOFTWARE/HARDWARE.

EXPERIENCE : SCIENTIST B, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TAMIL, KANNADA, MALAYALAM, ENGLISH.

7052

SHRI N SHANTHA KUMAR; (B. FEBRUARY 4, 1960),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL ENGINEERING - BANGALORE '85; M.TECH AERONAUTICS I.I.T., BOMBAY '87.

SPECIALIZATIONS : FLIGHT MECHANICS; AIRCRAFT PARAMETER ESTIMATION; CONTROL AND GUIDANCE.

EXPERIENCE : SCIENTIFIC OFFICER, I.I.S.C., BANGALORE, 1987-88; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : POST FLIGHT DATA ANALYSIS AND DEVELOPMENT OF RELATED SOFTWARE.

LANGUAGES : KANNADA, TELUGU, ENGLISH.

VISITED : GERMANY.

PUBLICATIONS & PATENTS : TECH. REPORTS - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 6.

7053

SHRI P RAVI KUMAR; (B. APRIL 18, 1965),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '86.

SPECIALIZATIONS : FABRICATION OF COMPOSITE STRUCTURES FOR AIRCRAFTS.

EXPERIENCE : LECTURER, P.E.S. COLLEGE OF ENGINEERING MANDYA, 1987-88; JR. RES. FELLOW, N.A.L., 1988-91; SCIENTIST B, N.A.L. SINCE JANUARY, 1991.

PRESENT ACTIVITIES : R & D.

7054

SHRI RAJEEVA KUMAR; (B. NOVEMBER 11, 1967),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AERONAUTICAL - I.I.T., KANPUR '89; M.TECH. AEROSPACE - I.I.T., KANPUR '91.

SPECIALIZATIONS : SPACE DYNAMICS (FLIGHT MECHANICS AND CONTROL).

EXPERIENCE : SCIENTIST B, N.A.L. SINCE APRIL, 1992.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT.

LANGUAGES : HINDI, ENGLISH.

7055

SHRI VINEET KUMAR; (B. SEPTEMBER 15, 1969),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. AERONAUTICAL ENGG. - PANJAB, 1990; M.E. AEROSPACE ENGG. - I.I.S.C., BANGALORE, 1992.

SPECIALIZATIONS : AERODYNAMICS; AIRCRAFT DESIGN; FLIGHT MECHANICS; PROPULSION.

EXPERIENCE : SCIENTIST B, N.A.L. SINCE APRIL, 1992.

PRESENT ACTIVITIES : DESIGN AND TESTING.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 2, TESTING - 1.

7056

SHRI R K KUNDANGAR; (B. SEPTEMBER 13, 1946),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.ED. -BANGALORE '69; M.SC. FLUID MECHANICS - KARNATAK '77.

SPECIALIZATIONS : MATHEMATICS (FLUID MECHANICS).

EXPERIENCE : GUIDE LECTURER, VISVESVARAYA I & T MUSEUM, BANGALORE, 1969-80; S.T.A. AND SCIENTIST A, N.A.L., 1980-86; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : TECHNOLOGY UTILISATION.

LANGUAGES : KANNADA, ENGLISH, HINDI, MARATHI.

PUBLICATIONS & PATENTS : ARTICLES - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNOLOGY TRANSFER - 7, PUBLIC RELATION - 6.

7057

MISS M SUGUNA LAKSHMI; (B. APRIL 5, 1964),
SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. POLYMER CHEMISTRY - MADRAS '87.

SPECIALIZATIONS : POLYMER CHEMISTRY.

EXPERIENCE : SCIENTIST B, N.A.L. SINCE MAY, 1991.

PRESENT ACTIVITIES : SYNTHESIS AND DEVELOPMENT OF RESINS.

7058

MISS H LEELAWATHI; (B. OCTOBER 22, 1947),
SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '66; M.SC. PHYSICS - BANGALORE '68.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION; MICROPROCESSOR SOFTWARE DEVELOPMENT; OPTICAL TRANSMITTERS AND RECEIVERS.

EXPERIENCE : RESEARCH ASSISTANT, CENTRAL COLLEGE, 1968-72; J.S.A. AND S.S.A., N.A.L., 1973-81; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1981.

PRESENT ACTIVITIES : COMPUTER SOFTWARE DEVELOPMENT FOR MULTIPLE FIELD SITE AVRA SYSTEM.

LANGUAGES : KANNADA, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 14, TEACHING - 4.

7059

SHRI B S MADHUSUDHAN; (B. JUNE 9, 1961),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '84; M.TECH. INDUSTRIAL STRUCTURES - MANGALORE '87.

SPECIALIZATIONS : STRUCTURAL MECHANICS.

EXPERIENCE : ENGINEER, SRS ASSOCIATES, ENGG CONSULTANTS, BANGALORE, 1984-85; SCIENTIST B, N.A.L. SINCE MAY, 1987.

PRESENT ACTIVITIES : R & D IN STRUCTURAL SCIENCE.

LANGUAGES : KANNADA, HINDI, ENGLISH, GERMAN.

VISITED : GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 6.

7060**SHRI JAIDEEP SAHAI MATHUR; (B. MARCH 13, 1961),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AERONAUTICAL - I.I.T., KANPUR '83; M.S. AERONAUTICAL - CORNELL, U S A '87.**SPECIALIZATIONS** : AERODYNAMICS; COMPUTATIONAL FLUID DYNAMICS.**EXPERIENCE** : SCIENTIST B, N.A.L. SINCE JUNE, 1988.**PRESENT ACTIVITIES** : APPLIED RESEARCH.**LANGUAGES** : HINDI, ENGLISH.**VISITED** : U S A, U.K.**PUBLICATIONS & PATENTS** : RES. PAPERS - 4, TECH. REPORTS - 10.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 6.**7061****SHRI K R MUGALIHAL; (B. OCTOBER 15, 1936),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL TRADE - I.T.I. '58.**SPECIALIZATIONS** : ELECTRICAL ENGINEERING.**EXPERIENCE** : JUNIOR ELECTRICIAN, J.T.A. AND S.T.A., N.A.L., 1963-82; SCIENTIST A, N.A.L. 1982-87; SCIENTIST B, N.A.L. SINCE AUGUST, 1987.**PRESENT ACTIVITIES** : ELECTRICAL WORKS CONNECTED WITH WIND TUNNEL.**LANGUAGES** : KANNADA, HINDI, MARATHI, TAMIL, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : OPERATION, TESTING AND MAINTENANCE - 24.**7062****SHRI K MUKUND; (B. MAY 19, 1961),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7063**SHRI H S MURALIDHARA; (B. JULY 19, 1964),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7064**MISS A R MYTHILI; (B. JULY 13, 1935),**

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN LIBRARY SCIENCE - BOARD OF TECHNICAL EDUCATION '66.**SPECIALIZATIONS** : LIBRARY AND INFORMATION SCIENCE; DOCUMENTATION.**EXPERIENCE** : LIB. ASSTT., I.I.SC. BANGALORE, 1966-71; S.L.A., J.T.A., S.T.A. AND SCIENTIST AI, N.A.L. 1971-92; SCIENTIST BI, N.A.L. SINCE JUNE 1992.**PRESENT ACTIVITIES** : LIBRARY & INFORMATION SERVICE; DOCUMENTATION.**LANGUAGES** : KANNADA, TAMIL, HINDI, TELUGU, SANSKRIT, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : 29.**7065****SHRI B P NAGANARAYANA; (B. MAY 13, 1962),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '85; M.TECH. AERONAUTICAL ENGINEERING - I.I.T., MADRAS '86.**SPECIALIZATIONS** : FINITE ELEMENT METHODS; AERONAUTICAL ENGINEERING; STRUCTURAL ANALYSIS AND EXPERT SYSTEMS.**EXPERIENCE** : TRAINEE, N.A.L., 1986; PROJECT ASSOCIATE, I.I.T. MADRAS, 1987; SCIENTIST B, N.A.L. SINCE MAY, 1987.**PRESENT ACTIVITIES** : R & D IN STRUCTURAL ANALYSIS (F.E.M. AND EXPERT SYSTEMS).**LANGUAGES** : KANNADA, SANSKRIT, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : PROJECT DOCUMENTS - 12, TECH. MEMORANDUMS - 10, PAPERS - 12.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 5, SOFTWARE DEVELOPMENT - 5.**7066****SHRI A NANDAKUMAR; (B. JANUARY 27, 1961),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : AIRCRAFT MAINTENANCE ENGINEER'S LICENCE IN CATEGORIES A & C - CIVIL AVIATION DEPTT. (INDIA) '82.**SPECIALIZATIONS** : AIRCRAFT MAINTENANCE.**EXPERIENCE** : INSTRUCTOR, H.I.E.T., MADRAS, 1983-85; AIRCRAFT TECHNICIAN, INDIAN AIRLINES BOMBAY, 1985-87; SCIENTIST B, N.A.L. SINCE MAY, 1987.**PRESENT ACTIVITIES** : AIRCRAFT MAINTENANCE.**LANGUAGES** : MALAYALAM, HINDI, TAMIL, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : MAINTENANCE - 8, TEACHING - 2.**7067****SHRI K V NARAYANAN; (B. DECEMBER 1, 1949),**

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - GOVT. POLYTECHNIC CANNANORE '69.**SPECIALIZATIONS** : MECHANICAL DESIGN; PRODUCTION PLANNING; FABRICATION COST ESTIMATION.

EXPERIENCE : TECHNICAL TRAINEE, BANGALORE TELEPHONYES 1973; JR. D/MAN, SR. D/MAN, J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1973-89; SCIENTIST BI, N.A.L. SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES : PLANNING; MECHANICAL DESIGN.

LANGUAGES : MALAYALAM, ENGLISH, KANNADA, TAMIL, HINDI.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 20, PLANNING - 20.

7068

SHRI S NARAYANAN; (B. APRIL 4, 1946),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : NATIONAL TRADE CERTIFICATE (MACHINIST) I.T.I., BANGALORE '64.

EXPERIENCE : MILLING MACHINE OPERATOR, 1964-68; S.F.M., J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1968-87; SCIENTIST B, N.A.L. SINCE AUGUST, 1987.

PRESENT ACTIVITIES : MODEL SHOP FABRICATION OF WIND TUNNEL CENTRE MODELS.

LANGUAGES : KANNADA, TELUGU, TAMIL, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 23.

7069

SHRI V NARAYANASWAMY; (B. AUGUST 20, 1939),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : MACHINIST CERTIFICATE - I.T.I., BANGALORE '61; CERTIFICATE IN SUPERVISOR - N.P.C., NEW DELHI '72; DIPLOMA IN MECHANICAL ENGINEERING - M.E.I. POLYTECHNIC, BANGALORE, KARNATAKA '83.

SPECIALIZATIONS : MECHANICAL HARDWARE.

EXPERIENCE : TURNER, SUNRISE INDUSTRIES, BANGALORE, 1955-58; MACHINIST, KIRLOSKAR ELECTRIC CO., BANGALORE, 1959-61; MECHANIC 'A', I.I.S.C., BANGALORE, 1961-77; S.T.A. AND SCIENTIST A, N.A.L., 1977-92; SCIENTIST BI, N.A.L. SINCE JULY, 1992.

PRESENT ACTIVITIES : PRODUCTION/DEVELOPMENT.

LANGUAGES : TELUGU, KANNADA, HINDI, TAMIL, ENGLISH.

AWARDS & DISTINCTIONS : S S BHATNAGAR RESEARCH ENDOWMENT AWARD FOR WATER DESALINATION PLANT, CS&MCRI, 1988.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNICAL DEV. 38.

7070

SHRI M R PADMARAJU; (B. OCTOBER 26, 1946),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - B.T.E., KARNATAKA '67.

SPECIALIZATIONS : INSTRUMENTATION AND TECHNICAL PHOTOGRAPHY AND VIDEOGRAPHY.

EXPERIENCE : TRAINEE AND SUPERVISOR, GENERAL RADIO, BANGALORE, 1967-68; SUPERVISOR, SUNANDA AROMATIC INDUSTRY, MYSORE, 1968-70; PVT. BUSINESS, 1970-72; J.L.A., S.L.A., J.T.A., S.T.A. AND SCIENTIST AI, N.A.L. 1972-89; SCIENTIST BI, N.A.L. SINCE JUNE, 1989.

PRESENT ACTIVITIES : PHOTOGRAPHY & VIDEOGRAPHY.

LANGUAGES : TAMIL, KANNADA, HINDI, TELUGU, ENGLISH.

7071

SHRI KIRAN VITTHALRAO PANDARE; (B. APRIL 5, 1962),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. ORGANIC CHEMISTRY - PUNE '84.

SPECIALIZATIONS : ORGANIC CHEMISTRY.

EXPERIENCE : SCIENTIFIC OFFICER, SUDARSHAN CHEMICAL, PUNE 1984-85; SCIENTIFIC OFFICER, HUECHIT INDIA LTD., BOMBAY, 1985-89; SR. SCIENTIFIC OFFICER, SUNDRAM CHEMICAL, PUNE, 1989-91; SCIENTIST B, N.A.L. SINCE APRIL, 1991.

7072

SHRI P S PEMMAIAH; (B. MARCH 15, 1935),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : 3 YEARS COURSE IN ELECTRICAL & MECHANICAL ENGINEERING (AUTOMOBILE & WORKSHOP TECHNOLOGY) - ARMY CORPS OF E.M.E. '59.

SPECIALIZATIONS : FABRICATION OF TURBOMACHINERY BLADES/COMPONENTS; WORKSHOP TECHNOLOGY.

EXPERIENCE : C.F.N., E.M.E., INDIAN ARMY, 1956-62; TOOL MAKER, BASE WORKSHOP, BANGALORE, 1963-68; SENIOR FITTER MECHANIC, J.T.A. AND S.T.A., N.A.L., 1968-81; SCIENTIST A, N.A.L., 1981-86; SCIENTIST B, N.A.L. SINCE AUGUST, 1986.

PRESENT ACTIVITIES : WORKSHOP TECHNOLOGY (PRODUCTION & FABRICATION).

LANGUAGES : KANNADA, COORGI, HINDI, TAMIL, MALAYALAM, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 10, PRODUCTION - 19.

7073

SHRI A PERUMAL; (B. OCTOBER 5, 1948),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : PRE-UNIVERSITY (SCIENCE) - MADRAS '65.

EXPERIENCE : J.L.A., S.L.A., J.T.A. AND S.T.A., N.A.L., AND SCIENTIST A, N.A.L., 1968-89; SCIENTIST BI, N.A.L. SINCE NOVEMBER, 1989.

PRESENT ACTIVITIES : DESIGN, DEVELOPMENT AND FABRICATION OF ELECTRONIC SYSTEMS.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : PILOT PLANT - 22, TECHNICAL DEV. - 3.

7074

SHRI C PRAGALATHAN; (B. MARCH 5, 1939),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : CERTIFICATE IN SHEET METAL - I.T.I., BANGALORE '61.

SPECIALIZATIONS : FABRICATION OF FIBER REINFORCED PLASTIC COMPONENTS; MACHINE SHOP ENGINEERING; FILAMENT WINDING.

EXPERIENCE : S.F.M., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1966-88; SCIENTIST BI, N.A.L. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : FABRICATION OF FIBER REINFORCED PLASTIC COMPONENTS AND FILAMENT WINDING.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, PILOT PLANT - 15, PRODUCTION - 15.

7075

MRS SHASHIKALA PRAKASH; (B. JULY 8, 1956),

SCIENTIST C, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRONICS - BANGALORE '78.

SPECIALIZATIONS : ELECTRONICS; ASSEMBLY LANGUAGE PROGRAMMING; DYNAMIC STRUCTURAL ANALYSIS; VIBRATION TESTING.

EXPERIENCE : PROJECT ASSISTANT, CENTRAL POWER RESEARCH INSTITUTE, BANGALORE, 1979; J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, N.A.L., 1980-88; SCIENTIST C, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : COMPUTER SOFTWARE DEVELOPMENT.

LANGUAGES : TAMIL, KANNADA, HINDI, SANSKRIT, TELUGU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 3.

AWARDS & DISTINCTIONS : NAL FOUNDATION DAY AWARD FOR OUTSTANDING PERFORMANCE IN DEVELOPMENT & DESIGN OF CAVITAS, 1986-87.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 2, TECH. DEV. - 2, TESTING - 2, COMPUTER PROGRAMMING - 1.

7076

SHRI S K PRASAD; (B. APRIL 18, 1939),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : L.M.E. WELDING & SHEET METAL TECHNOLOGY - BOARD OF TECH. EDUC., '60.

SPECIALIZATIONS : GENERAL WELDING; FABRICATION OF STEEL STRUCTURES AND COMPONENTS; PRECISION WELDING.

EXPERIENCE : APPRENTICE, GRADUATE APPRENTICE, SR. FITTER/MECH., MECHANICAL ASST., SR. TECH. ASST. AND SCIENTIST AI, N.A.L., 1961-86; SCIENTIST BI, N.A.L. SINCE JUNE, 1986.

PRESENT ACTIVITIES : WELDING.

7077

SHRI K RAGHU; (B. JANUARY 18, 1940),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : MECHANICAL DRAUGHTSMAN COURSE - I.T.I., BANGALORE '61; DIPLOMA IN DRAWING & PAINTING (FINE ARTS) - KARNATAKA SEC. EDUCATION BOARD '73; DIPLOMA IN MECHANICAL ENGINEERING - DEPT. OF TECH. EDUCATION, KARNATAKA '78.

SPECIALIZATIONS : MECHANICAL DESIGN & DRAFTING.

EXPERIENCE : TRACER, N.A.L., 1961-64; JUNIOR DRAUGHTSMAN, SENIOR DRAUGHTSMAN AND S.T.A., V.I.T. MUSEUM, BANGALORE, 1964-84; SCIENTIST A, N.A.L., 1984-89; SCIENTIST BI, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT OF AEROTEST FACILITIES.

LANGUAGES : TELUGU, KANNADA, HINDI, ENGLISH.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 20, CONSTRUCTION - 5, MAINTENANCE - 5, PLANNING - 3.

7078

SHRI M RAGHU; (B. SEPTEMBER 21, 1953),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '73.

EXPERIENCE : J.T.A. AND S.T.A., N.A.L. 1974-84; SCIENTIST A, N.A.L., 1984-89; SCIENTIST BI, N.A.L. SINCE NOVEMBER, 1989.

PRESENT ACTIVITIES : PRODUCTION OF STRAIN GAUGES AND PRINTED CIRCUIT BOARDS.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 5, PILOT PLANT - 8, PRODUCTION - 1.

7079

SHRI M D RAGHUNATH; (B. JULY 13, 1961),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '84; M.SC. WATER RESOURCES - I.I.S.C., BANGALORE '90.

SPECIALIZATIONS : NUMERICAL MODELLING OF GROUND WATER FLOW; FLOW IN SHALLOW WATER BODIES.

EXPERIENCE : SCIENTIST B, N.A.L. SINCE MARCH, 1990.

PRESENT ACTIVITIES : MODELLING FLOW IN SHALLOW WATER BODIES.

7080

SHRI S RAJA; (B. JUNE 9, 1966),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - MADURAI '87; M.TECH. AERONAUTICS - I.I.T., BOMBAY '89.

SPECIALIZATIONS : AIRCRAFT STRUCTURES (DYNAMICS AND AEROELASTICITY).

EXPERIENCE : SCIENTIST B, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TAMIL, ENGLISH, KANNADA.

7083

SHRI R S RAJAGOPAL; (B. JUNE 12, 1962),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '87; M.E. CIVIL - BANGALORE '90.

SPECIALIZATIONS : ADVANCED STRUCTURAL ANALYSIS; FINITE ELEMENT ANALYSIS AND AIRCRAFT STRUCTURE; COMPOSITE STRUCTURES.

EXPERIENCE : SCIENTIST B, S.E.R.C., MADRAS 1990-92; SCIENTIST B, N.A.L. SINCE APRIL, 1992.

LANGUAGES : TELUGU, KANNADA, HINDI, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, DESIGN - 1.5, TESTING - 1.5, DOCUMENTATION - 0.5, CONSULTANCY - 0.5.

7084

SHRI S R RAJAN; (B. MARCH 16, 1952),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL.

SPECIALIZATIONS : INSTRUMENTATION; FLIGHT MECHANICS AND CONTROL SYSTEMS.

EXPERIENCE : WORKED IN DIFFERENT CAPACITIES, N.A.L., 1975-88; SCIENTIST B, N.A.L. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : FINDING OF STABILITY DERIVATIVES OF AIRCRAFT AND MISSILE MODELS.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : INSTRUMENTATION - 8, FLIGHT MECHANICS & CONTROL SYSTEMS - 7.

7085

SHRI C RAJASHEKAR; (B. MARCH 1, 1964),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MANGALORE '86.

SPECIALIZATIONS : MECHANICAL ENGINEERING.

EXPERIENCE : ENGINEERING OFFICER, B.P.C.L., 1987-88; SCIENTIFIC ASSISTANT, I.I.S.C., BANGALORE, 1988-90; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D.

LANGUAGES : KANNADA, HINDI, ENGLISH.

7086

SHRI G RAJEEV; (B. AUGUST 31, 1961),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '85.

SPECIALIZATIONS : MECHANICAL DESIGN.

EXPERIENCE : J.R.F., N.A.L., 1985-87; SCIENTIST B, N.A.L. SINCE AUGUST, 1987.

PRESENT ACTIVITIES : DESIGN OF WIND TUNNEL MODELS.

LANGUAGES : MALAYALAM, HINDI, KANNADA, TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 4.

7087

SHRI D RAMACHAR; (B. JANUARY 1, 1944),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7088

SHRI M RAMAIAH; (B. AUGUST 14, 1947),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - TECH. EDU. BOARD '79.

SPECIALIZATIONS : PLANNING EXECUTION OF ELECTRICAL INSTALLATIONS.

EXPERIENCE : ELECTRICIAN, I.T.I., BANGALORE, 1967-69; ELECTRICIAN, M/S KIRLOSKAR, BANGALORE, 1969-72; JR. & SR. ELECTRICIAN, J.T.A., S.T.A. AND SCIENTIST AI, N.A.L. 1972-92; SCIENTIST BI, N.A.L. SINCE JANUARY, 1992.

PRESENT ACTIVITIES : MAINTENANCE.

LANGUAGES : KANNADA, ENGLISH, TELUGU, TAMIL.

7089

SHRI M RAMAKRISHNA; (B. NOVEMBER 13, 1939),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7090**SHRI M C RAMAKRISHNA; (B. JANUARY 20, 1940),**

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : MATRICULATION - MADRAS '57; TELEPHONE OPERATOR'S AND SIGNALLING COURSE - MADURAI '60.**EXPERIENCE** : APPRENTICE, JR. FITTER MECHANIC, S.L.A., J.T.A., S.T.A., AND SCIENTIST AI, N.A.L., 1967-92; SCIENTIST B, N.A.L. SINCE 1992.**PRESENT ACTIVITIES** : MAINTENANCE & OPERATION OF DUPLICATING MACHINES.**LANGUAGES** : MALAYALAM, KANNADA, TAMIL, HINDI, ENGLISH.**7091****SHRI V RAMESH; (B. SEPTEMBER 20, 1965),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '88; M.SC [ENGG.] AEROSPACE - I.I.SC., BANGALORE '92.**SPECIALIZATIONS** : GEOMETRIC MODELLING.**EXPERIENCE** : SCIENTIST B, N.A.L., 1991.**PRESENT ACTIVITIES** : APPLIED R & D AND GEOMETRIC MODELLING.**LANGUAGES** : KANNADA, SANSKRIT, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 2, TECH. REPORTS - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 3.**7092****SHRI S RAMESHAIAH; (B. OCTOBER 26, 1948),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7093**SHRI B JAGANNATHA RAO; (B. FEBRUARY 4, 1951),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : D.M.E. AUTOMOBILE - BOARD OF TECHNICAL EDUCATION '69; B.E. MECHANICAL - BANGALORE '78; M.E. MECHANICAL - BANGALORE '88.**SPECIALIZATIONS** : COMBUSTION ENGINEERING; GAS DYNAMICS; DESIGN ENGINEERING.**EXPERIENCE** : S.L.A., J.T.A., SCIENTIST A AND SCIENTIST B, N.A.L. 1971-88; SCIENTIST B, N.A.L. SINCE APRIL, 1988.**PRESENT ACTIVITIES** : TECHNICAL DEVELOPMENT & TESTING.**LANGUAGES** : MARATHI, KANNADA, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : TECH. REPORTS - 2, POPULAR SCIENCE BOOKS - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 8, OPERATION - 5, DESIGN - 8.**7094****SHRI B SAMPATH RAO; (B. FEBRUARY 12, 1964),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. MECHANICAL - KAKATIYA '85; M.E. - BIRLA INSTITUTE OF TECHNOLOGY '88.**SPECIALIZATIONS** : INDUSTRIAL ENGINEERING AND MANAGEMENT; AERODYNAMICS.**EXPERIENCE** : SCIENTIST B, N.A.L. SINCE JUNE, 1988.**PRESENT ACTIVITIES** : R & D IN AERODYNAMICS.**LANGUAGES** : TELUGU, ENGLISH, HINDI.**7095****SHRI N S DHURVA RAO; (B. APRIL 27, 1945),**

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL - BOARD OF TECH. EDUCATION, KARNATAKA '69; POST DIPLOMA IN ENVIRONMENTAL ENGINEERING - KARNATAKA '76; B.E. ELECTRICAL - BANGALORE '83.**SPECIALIZATIONS** : ENVIRONMENTAL ENGINEERING; ELECTRICAL ENGINEERING; TRANSDUCERS AND ASSOCIATED INSTRUMENTS; CALIBRATION (PRESSURE, FORCE & VIBRATION); AIRWORTHINESS OF FLIGHT INSTRUMENTS.**EXPERIENCE** : S.L.A., J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1973-91; SCIENTIST BI, N.A.L. SINCE OCTOBER, 1991.**PRESENT ACTIVITIES** : ASSEMBLY, TESTING, CALIBRATION & AIRWORTHINESS CERTIFICATION OF FLIGHT INSTRUMENTS (PROCEDURE & TESTING).**LANGUAGES** : KANNADA, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : TECH. REPORTS - 6.**AWARDS & DISTINCTIONS** : NAL AWARD FOR OUTSTANDING PERFORMANCE.**PROFESSIONAL EXPERIENCE(IN YEARS)** : DESIGN, TESTING, TECH. DEV., PILOT PLANT AND MAINTENANCE - (TOTAL - 20 YEARS).**7096****SHRI P JAGADEESWARA RAO; (B. JUNE 1, 1942),**

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '76.**SPECIALIZATIONS** : SYSTEM ANALYSIS; ELECTRONIC DATA PROCESSING SYSTEMS AND THEIR APPLICATIONS; INFORMATION SYSTEMS; COMPUTER PROGRAMMING.**EXPERIENCE** : S.L.A., J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1966-85; SCIENTIST BI, N.A.L. SINCE JULY, 1985.**PRESENT ACTIVITIES** : COMPUTER PROGRAMMING & SYSTEMS ANALYSIS; INFORMATION PROCESSING & INFORMATION RETRIEVAL SYSTEMS.

344

LANGUAGES : TELUGU, KANNADA, HINDI, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, COMPUTER PROCESSING - 24.

7097

SHRI V VEERASEKHARE RAO; (B. AUGUST 15, 1967),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - ANDHRA '88; M.TECH. MATERIALS SCIENCE - OSMANIA '90.

SPECIALIZATIONS : POLYMERS AND COMPOSITES.

EXPERIENCE : PG TRAINEE, N.A.L., 1991-92; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1992.

PRESENT ACTIVITIES : TESTING.

LANGUAGES : TELUGU, ENGLISH, HINDI, KANNADA.

PUBLICATIONS & PATENTS : TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MANAGEMENT - 3.

7098

SHRI S W RASQUINHA; (B. SEPTEMBER 11, 1942),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : S.S.L.C. '62; CERTIFICATE MECHANIST I.T.I., '67.

SPECIALIZATIONS : MECHANICAL FABRICATION.

EXPERIENCE : TRAINEE KIRLOSKAR ELECTRIC CO., BANGALORE, 1962-63; MECHANIC B, H.A.L. 1963-68; SR. MECHANIC, J.T.A., S.T.A. TECH. ASSTT. AND SCIENTIST AI, N.A.L., 1968-88; SCIENTIST BI, N.A.L. SINCE NOVEMBER, 1988.

PRESENT ACTIVITIES : MECHANICAL FABRICATION.

LANGUAGES : KONKANI, KANNADA, HINDI, TAMIL, ENGLISH.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1988.

PROFESSIONAL EXPERIENCE(IN YEARS) : MECHANICAL FABRICATION - 25.

7099

SHRI S RATNADAS; (B. MARCH 29, 1941),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : MACHINIST CERTIFICATE - I.T.I. '62; M.A. HISTORY - MYSORE '84.

SPECIALIZATIONS : FABRICATION OF WIND TUNNEL MODELS.

EXPERIENCE : SENIOR FITTER MECHANIC, MECHANICAL ASSISTANT AND SENIOR MECHANICAL ASSISTANT, N.A.L.,

1968-83; SCIENTIST A, N.A.L., 1983-88; SCIENTIST B, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : FABRICATION OF WIND TUNNEL MODELS.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : FABRICATION - 21.

7100

SHRI Y N RAVINDRA; (B. JUNE 8, 1954),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - BANGALORE '77.

SPECIALIZATIONS : PRODUCTION ENGINEERING; MECHANICAL ENGINEERING.

EXPERIENCE : SUPERVISORY ENGINEER/TRAINEE, INDO-FRENCH TIME INDUSTRIES, BOMBAY, 1978; J.T.A., S.T.A. AND SCIENTIST A, N.A.L., 1979-84; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1984.

PRESENT ACTIVITIES : FLIGHT RESEARCH ON LIGHT CANARD RESEARCH AIRCRAFT.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECH. DEV., CONST., OPERATION, TESTING, MAINTENANCE, PLANNING AND FABRICATION - 12.

7101

SHRI S RAVISHANKAR; (B. JUNE 11, 1966),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7102

SHRI ANTO RODRIGUES; (B. JUNE 17, 1945),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BOARD OF TECH. EDUC., KARNATAKA '75.

SPECIALIZATIONS : TRISONIC AERODYNAMIC FACILITY.

EXPERIENCE : MILLER, KIRLOSKARS, 1967-71; SR. FINE MECHANIC, J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1971-91; SCIENTIST BI, N.A.L. SINCE FEBRUARY, 1991.

LANGUAGES : KANNADA, KONKANI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 23.

7103

SHRI R SATISH ROHINDEKAR; (B. NOVEMBER 14, 1963),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '86.

SPECIALIZATIONS : DESIGN AND DEVELOPMENT OF COMPOSITE STRUCTURES FOR AIRCRAFT APPLICATIONS.

EXPERIENCE : J.R.F., N.A.L., 1987-90; SCIENTIST B, N.A.L. SINCE NOVEMBER, 1990.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT.

LANGUAGES : KANNADA, HINDI, ENGLISH.

7104

SHRI D SAJI; (B. JULY 1, 1963),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - KERALA '83; B.TECH. AERONAUTICAL ENGG. - ANNA '87; M.E. AERONAUTICAL ENGG. - ANNA '90.

SPECIALIZATIONS : COMPOSITE MATERIALS; AIRCRAFT STRUCTURES; EXPERIMENTAL STRESS ANALYSIS.

EXPERIENCE : TEACHING RES. FELLOW, DEPT OF AERONAUTICAL ENGG., MIT CAMPUS, MADRAS 1987-91; LECTURER, ANNA UNIVERSITY, MADRAS, 1991-92; SCIENTIST B, N.A.L. SINCE JULY, 1992.

PRESENT ACTIVITIES : FABRICATION AND TESTING OF COMPOSITE AIRCRAFT STRUCTURES.

LANGUAGES : MALAYALAM, ENGLISH, HINDI, TAMIL, RUSSIAN.

7105

SHRI B V SARAVANA; (B. MAY 14, 1942),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - DIRECTORATE OF TECH. EDUC., BANGALORE '76; B.E. MECHANICAL - BANGALORE '88; M.TECH. PRODUCTION ENGG. (SYSTEM TECHNOLOGY) - MYSORE '91.

EXPERIENCE : JR. TECH. ASSTT., SR. TECH. ASSTT. AND SCIENTIST A1, N.A.L., 1971-91; SCIENTIST B, N.A.L. SINCE MAY, 1991.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH, TELUGU.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 5, MAINTENANCE - 6, PRODUCTION - 20.

7106

SHRI BIPUL SARKAR; (B. JANUARY 1, 1960),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.TECH. AERONAUTICAL ENGG. - I.I.T., KHARAGPUR '85.

SPECIALIZATIONS : AERODYNAMICS.

EXPERIENCE : ENGINEER, HINDUSTAN AERONAUTICS LTD., 1985-89; SCIENTIST B, N.A.L. SINCE NOVEMBER, 1989.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT.

7107

SHRI S RAMA SASTRY; (B. APRIL 8, 1941),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.A. - BANGALORE '65; DIPLOMA IN MECHANICAL ENGINEERING - BOARD OF TECHNICAL EXAMINATION '66.

SPECIALIZATIONS : MECHANICAL ENGINEERING.

EXPERIENCE : SUB-OVERSEER, S.L.A., J.T.A. AND S.T.A., N.A.L., 1963-82; SCIENTIST A, N.A.L., 1983-89; SCIENTIST B, N.A.L. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : R & D IN TURBOMACHINES

LANGUAGES : TELUGU, KANNADA, HINDI, TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 26.

7108

SHRI S S SUBRAMANYA SASTRY; (B. MAY 17, 1962),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '84.

SPECIALIZATIONS : CIVIL ENGINEERING.

EXPERIENCE : J.R.F., N.A.L., 1986-87; SCIENTIST B, N.A.L. SINCE JUNE, 1987.

PRESENT ACTIVITIES : R & D IN AIRCRAFT RUDDER DEVELOPMENT.

LANGUAGES : KANNADA, SANSKRIT, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2.

7109

SHRI C N SATHYANARAYANA; (B. JULY 1, 1936),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MYSORE '89.

SPECIALIZATIONS : EXPERIMENTAL STRUCTURAL DYNAMIC TESTING.

EXPERIENCE : SCIENTIFIC ASSTT., I.I.S.C., BANGALORE, 1990-91; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : TESTING OF AIRCRAFT STRUCTURES AND DEVELOPMENT OF COMPUTER SOFTWARE.

LANGUAGES : KANNADA, ENGLISH.

7110

SHRI B SATYABHAGAVAN; (B. JANUARY 15, 1946),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '66.

SPECIALIZATIONS : COMPUTER SOFTWARE DEVELOPMENT.

EXPERIENCE : J.L.A., J.S.A. AND S.S.A. AND SCIENTIST A, N.A.L., 1968-88; SCIENTIST B, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : COMPUTER SOFTWARE DEVELOPMENT FOR APPLICATION IN FLIGHT MECHANICS.

LANGUAGES : KANNADA, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 8.

AWARDS & DISTINCTIONS : NAL FOUNDATION DAY AWARD FOR COMPUTER SOFTWARE DEVELOPMENT FOR APPLICATION IN FLIGHT MECHANICS.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, COMPUTER PROGRAMMING - 19.

7111

SHRI L SEETHARAM; (B. MAY 20, 1937),

ART OFFICER (BI), NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DEGREE IN FINE ARTS - MADRAS '57.

SPECIALIZATIONS : ILLUSTRATIONS; LANDSCAPES; PORTRAITS; SCIENTIFIC DRAWINGS.

EXPERIENCE : ARTIST, COMMONWEALTH INSTITUTE OF BIOLOGICAL CONTROL, INDIAN STATION, BANGALORE, 1961-73; ART OFFICER (AI), N.A.L. 1983-88; ART OFFICER (BI), N.A.L. SINCE JULY 1988.

PRESENT ACTIVITIES : SCIENTIFIC DRAWINGS.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : ART WORK - 28.

7112

SHRI H S SEETHARAMU; (B. APRIL 18, 1943),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - BANGALORE '65.

EXPERIENCE : ELECTRICIAN, L.R.D.E., BANGALORE, 1971-73; J.L.A., S.L.A., J.T.A., S.T.A., AND SCIENTIST AI, N.A.L., 1973-91; SCIENTIST BI, N.A.L. SINCE FEBRUARY, 1992.

PRESENT ACTIVITIES : ELECTRICAL DESIGN AND TESTING.

LANGUAGES : KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 22, TESTING - 22.

7113

SHRI B N SHASHIRANI; (B. MARCH 5, 1968),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7114

SHRI G SHIVARAJ; (B.),

ASSISTANT EXECUTIVE ENGINEER (BI), NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : LICENTIATE IN CIVIL ENGG., (REINFORCED CEMENT CONCRETE) - STATE BOARD OF TECHNICAL EDUCATION, MADRAS '65.

SPECIALIZATIONS : RCC DESIGNS AND EXECUTION; CORROSION SCIENCE & ENGINEERING

EXPERIENCE : DRAUGHTSMAN GR II, MADRAS PWD 1965-67; ENGINEERING SUPERVISOR, M/S JASAPOSE & CO, MADRAS 1967-68; ENGG. SUPERVISOR, M/S. SIMPLEX CONCRETE PILES (INDIA) LTD., 1968-69; ENGG. SUPERVISOR, M/S SATHYANARAYANA BROS. MADRAS, 1969-70; JR. ENGINEER (CIVIL), CSIR, 1970-90; ASST. EXE ENGG.(BI), N.A.L., BANGALORE SINCE JUNE 1990.

PRESENT ACTIVITIES : DESIGN AND ESTIMATION.

7115

SHRI N SHIVASHANKAR; (B. NOVEMBER 5, 1937),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN DRAUGHTSMAN, MECHANICAL DRAFTING - S.J. POLYTECHNIC, BHADRAWATI '59.

SPECIALIZATIONS : MECHANICAL AND STRUCTURAL DRAFTING.

EXPERIENCE : J.L.A., C.F.T.R.I., 1959-62; JR. D/MAN, N.A.L., 1962-66; SR. D/MAN, R.R.L., HYDERABAD, 1966-71; SR. D/MAN, J.T.A., S.T.A. AND SCIENTIST A, N.A.L., 1971-90; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : DESIGN, DRAWING & TESTING.

LANGUAGES : KANNADA, HINDI, TAMIL, TELUGU, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 34, TESTING - 1.

7116

SHRI CHARAN SINGH; (B. OCTOBER 2, 1947),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : CERTIFICATE IN FITTER'S TRADE - I.T.I. '65; C.T.I. - C.T., LUDHIANA '68.

SPECIALIZATIONS : FABRICATION OF WIND TUNNEL MODELS.

EXPERIENCE : FINE MECHANIC, N.M.L., JAMSHEDPUR, 1969-73; MECHANICAL ASSISTANT AND SENIOR MECHANICAL ASSISTANT, 1973-83; SCIENTIST A, N.A.L., 1983-88; SCIENTIST BI, N.A.L. SINCE JULY, 1988.

PRESENT ACTIVITIES : FABRICATION OF WIND TUNNEL MODELS.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : FABRICATION - 20.

7117

SHRI M PREM SINGH; (B. DECEMBER 12, 1942),
SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - I.A.F. '62.

SPECIALIZATIONS : MECHANICAL ENGINEERING.

EXPERIENCE : SENIOR FITTER MECHANIC, J.T.A. AND S.T.A., N.A.L., 1965-81; SCIENTIST A, N.A.L., 1981-86; SCIENTIST B, N.A.L. SINCE AUGUST, 1986.

PRESENT ACTIVITIES : OPERATION AND TECHNICAL DEVELOPMENT.

LANGUAGES : MALAYALAM, HINDI, KANNADA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 5, MAINTENANCE - 10, PLANNING - 3.

7118

MRS RAJALAKSHMY SIVARAMAKRISHNAM;
(B. SEPTEMBER 1, 1954),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC.(ENGG) ELECTRICAL - KERALA '76; M.TECH. ELECTRONICS & COMMUNICATION - COCHIN '82.

SPECIALIZATIONS : ELECTRONIC COMMUNICATION.

EXPERIENCE : PROJECT ASSISTANT, I.I.S.C., BANGALORE, 1983-84; SCIENTIST B, N.A.L. SINCE NOVEMBER, 1984.

PRESENT ACTIVITIES : COMPUTER PROCESSING & MAINTENANCE.

LANGUAGES : TAMIL, MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 6, MAINTENANCE - 2.

7119

SHRI C R SREENIVASAN; (B. JULY 10, 1961),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - VISVESVARAIAH '84.

SPECIALIZATIONS : ELECTRICAL ENGINEERING; COMPUTER SYSTEMS.

EXPERIENCE : PRODUCTION/Q.C. ENGINEER, TALEX METERS PVT. LTD., BANGALORE, 1984-85; SALES EXECUTIVE, SAPPHIRE INNOVATORS PVT. LTD., BANGALORE, 1985-86; SENIOR EXECUTIVE, EIKO COMPUTERS, BANGALORE, 1987; SCIENTIST B, N.A.L. SINCE JULY, 1987.

PRESENT ACTIVITIES : R & D IN PARALLEL COMPUTERS.

LANGUAGES : TAMIL, KANNADA, HINDI, SANSKRIT, TELUGU, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, Q.LTY. CONTROL - 2, PRODUCTION - 1, SALES MARKETING - 1.

7120

MRS SHEILA SREENIVASAN; (B. OCTOBER 16, 1946),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. PHYSICS - BANGALORE '70.

SPECIALIZATIONS : WIND TUNNEL INSTRUMENTATION; NUCLEAR PHYSICS; ELECTRONICS.

EXPERIENCE : LECTURER, MOUNT CARMEL COLLEGE, 1972-73; J.R.F., N.A.L., 1976-77; J.T.A. AND SCIENTIST A, N.A.L., 1977-84; SCIENTIST B, N.A.L. SINCE AUGUST, 1984.

PRESENT ACTIVITIES : WIND TUNNEL INSTRUMENTATION.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, TEACHING - 1.

7121

MRS K R SRILATHA; (B. MAY 15, 1965),

SCIENTIST B, N.A.L. SINCE MAY 1990.

QUALIFICATIONS : B.SC. - BANGALORE '85; M.SC. MATHEMATICS - BANGALORE '87.

SPECIALIZATIONS : MATHEMATICS.

EXPERIENCE : RESEARCH FELLOW, N.A.L., 1988-91; SCIENTIST B, N.A.L. SINCE MAY, 1991.

PRESENT ACTIVITIES : RESEARCH AND DEVELOPMENT.

7122

SHRI R SRINIVASAMURTHY; (B. JUNE 6, 1945),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : D.M.E. INSTRUMENTATION - BOARD OF TECH. EDCU., BANGALORE '65.

SPECIALIZATIONS : PROCESS CONTROL INSTRUMENTS; TURBO COMPRESSORS PLANT OPERATION; DIESEL ENGINE COMPRESSOR OPERATIONS; STRAIN GAUGE MOUNTINGS.

EXPERIENCE : INSTRUMENT CRAFTSMAN, H.A.L., BANGALORE, 1965-67; FOREMAN, VISL BHADRAVATH, 1967-71; J.T.A., S.T.A. AND SCIENTIST A1, N.A.L., 1971-87; SCIENTIST BI, N.A.L. SINCE FEBRUARY, 1987.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : EDITING - 2, TESTING - 15, MAINTENANCE - 29.

7123

MRS SHANTHA KUMARI SRINIVASAN; (B. MAY 17, 1950),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7124

SHRI H S SUBRAHMANYA; (B. OCTOBER 18, 1939),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7125

SHRI H Y SUBRAMANYA; (B. APRIL 14, 1964),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.TECH. STRUCTURAL ENGG. - I.I.T, MADRAS '88.

SPECIALIZATIONS : STRESS ANALYSIS; FINITE ELEMENT ANALYSIS.

EXPERIENCE : SCIENTIST B, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : ANALYSIS & DESIGN OF AIRCRAFT STRUCTURES.

7126

SHRI B SUDHAKAR; (B. APRIL 25, 1964),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E.(HONS) CIVIL ENGG. - IIT, MADRAS '85; M.TECH. AEROSPACE ENGG. - IIT, MADRAS '87.

SPECIALIZATIONS : FINITE ELEMENT ANALYSIS.

EXPERIENCE : PROJECT ASSOCIATE, DEPT. OF AEROSPACE ENGG., IIT MADRAS 1987-88; ENGINEER(AERO), ADB, HAL, BANGALORE 1988-89; FELLOW - CMAMACS, N.A.L., BANGALORE 1989-90; SCIENTIST B, N.A.L. SINCE MARCH, 1990.

PRESENT ACTIVITIES : SOFTWARE DEVELOPMENT.

7127

SHRI D SUNDRARAJAN; (B. AUGUST 28, 1946),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '67.

SPECIALIZATIONS : AEROELASTICITY.

EXPERIENCE : S.L.A., J.S.A. AND S.S.A., N.A.L., 1968-82; SCIENTIST A, N.A.L. 1983-88; SCIENTIST B, N.A.L. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : R & D IN VIBRATION AND AEROELECTRICITY.

LANGUAGES : TAMIL, KANNADA, HINDI.

PUBLICATIONS & PATENTS : TECH. REPORTS - 20

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 19, APP. RES. - 19.

7128

SHRI K A THIMMAIAH; (B. FEBRUARY 26, 1944),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - TECHNICAL EDUCATION BOARD, KARNATAKA '65.

SPECIALIZATIONS : JIG BORING MACHINES OPERATION. OPERATION.

EXPERIENCE : JUNIOR DRAFTSMAN, SENIOR FITTER MECHANIC, MECHANICAL ASSISTANT AND S.M.A., 1965-83; SCIENTIST A, N.A.L., 1983-88; SCIENTIST B, N.A.L. SINCE JUNE, 1988.

PRESENT ACTIVITIES : FABRICATION OF WIND TUNNEL AIRCRAFT MODELS, STRAIN GAUGE BALANCES AND OTHER MECHANICAL COMPONENTS.

LANGUAGES : KANNADA, HINDI, TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION - 22, Q.LTY. CONTROL - 22, MAINTENANCE - 22, PRODUCTION - 22.

7129

SHRI T THIPPERUDRAPPA; (B. DECEMBER 1, 1950),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL ENGINEERING - BANGALORE '82.

SPECIALIZATIONS : HIGH VOLTAGE ENGINEERING.

EXPERIENCE : GUIDE LECTURER GR I, V.I.T. MUSEUM, 1970-83; SCIENTIST A, N.A.L., 1983-88; SCIENTIST B, N.A.L. SINCE JUNE, 1988.

7130

SHRI S THIYAGARAJAN; (B. JANUARY 15, 1942),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.LIB.SC. - MYSORE '73; M.A. POLITICAL SCIENCE - KARNATAKA '80.

SPECIALIZATIONS : ACQUISITION OF JOURNALS.

EXPERIENCE : LIBRARY ASSISTANT, LIBRARY CLERK, JR. LIBRARIAN, S.L.A., J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1961-88; SCIENTIST BI, N.A.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : ACQUISITION OF JOURNALS.

LANGUAGES : TAMIL, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MGMT. - 33.

7131

SHRI T MONCY THOMAS; (B. NOVEMBER 28, 1956),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRONICS & TELECOMMUNICATION - KARNATAKA '77; B.E. ELECTRONICS - BANGALORE '85.

SPECIALIZATIONS : ELECTRONICS; COMPUTER SYSTEMS.

EXPERIENCE : PRECISION MECHANIC, J.S.A. AND S.S.A., A.D.E., D.R.D.O, BANGALORE, 1978-91; SCIENTIST B, N.A.L. SINCE NOVEMBER, 1991.

PRESENT ACTIVITIES : MAINTENANCE OF COMPUTER SYSTEMS.

LANGUAGES : MALAYALAM, HINDI, KANNADA, ENGLISH.

7132

SHRI K VASUDEVAN; (B. JULY 1, 1941),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7133

SHRI R VEERAPATHIRAN; (B. SEPTEMBER 13, 1951),

TECHNICAL OFFICER (B), NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MADRAS '76; LL.B. LAWS - BANGALORE '87.

SPECIALIZATIONS : HOUSE-KEEPING (SERVICES).

EXPERIENCE : FARASH, LAB. SUPERVISOR, HEAD LAB. SUPERVISOR AND TECH. OFFICER A, N.A.L., 1977-89; TECH. OFFICER (B), N.A.L. SINCE AUGUST, 1989.

PRESENT ACTIVITIES : LABORATORY MAINTENANCE.

LANGUAGES : KANNADA, TAMIL, ENGLISH, HINDI, TELUGU.

PROFESSIONAL EXPERIENCE(IN YEARS) : MAINTENANCE - 16.

7134

SHRI O VENKATACHALAM; (B. SEPTEMBER 4, 1965),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. MECHANICAL - MADURAI KAMRAJ '87.

SPECIALIZATIONS : REFRIGERATION & AIR-CONDITIONING SYSTEM DESIGN; MACHINE DESIGN (MODEL DESIGN, TUNNEL DESIGN).

EXPERIENCE : DY. ENGINEER, BHARAT ELECTRONICS, BANGALORE, 1987-90; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : WIND TUNNEL MODEL DESIGN.

7135

SHRI S VENKATADRI; (B. NOVEMBER 9, 1965),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7136

SHRI R V VENKATAKRISHNAN; (B. MAY 10, 1935),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : S.S.L.C. - KERALA '53.

EXPERIENCE : JR. MECHANIC, SR. MECHANIC, J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1960-91; SCIENTIST BI, N.A.L. SINCE AUGUST, 1991.

LANGUAGES : MALAYALAM, TAMIL, KANNADA, HINDI, ENGLISH.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE.

7137

SHRI I P VENKATARAMANAPPA; (B. APRIL 22, 1948),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : 3 YEARS NATIONAL APPRENTICESHIP CERTIFICATE (MECHANICAL) - H.A.L., BANGALORE '68; DIPLOMA IN MECHANICAL ENGINEERING - TECHNICAL EDUCATION BOARD, KARNATAKA '76.

SPECIALIZATIONS : WORKSHOP TECHNOLOGY; DESIGN AND DRAWING.

EXPERIENCE : JUNIOR FITTER MECHANIC, SENIOR FITTER MECHANIC, J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1969-88; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : DESIGN AND CALIBRATION.

LANGUAGES : KANNADA, HINDI, TELUGU, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 8, PILOT PLANT - 5, PRODUCTION - 6.

7138

SHRI V VENKATESH; (B. OCTOBER 5, 1942),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : S.S.L.C. - BANGALORE '60; MACHINIST CERTIFICATE - I.T.I., BANGALORE '62.

SPECIALIZATIONS : TOOL ROOM MACHINE (JIG-BORING).

EXPERIENCE : JIG-BORER, H.M.T., 1962-66; JIG-BORER, M.E.T., 1966-70; SCIENTIST BI, N.A.L. SINCE JANUARY, 1970.

PRESENT ACTIVITIES : FABRICATION OF WIND TUNNEL MODELS.

7139

SHRI A VIMALAHASSAN; (B. JULY 21, 1966),

SCIENTIST B, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. PHYSICS - MADRAS '86; B.TECH. PRODUCTION - ANNA '90.

SPECIALIZATIONS : PLASTIC PROCESSING TECHNOLOGY; DESIGN OF LOW COST AUTOMATION USING PNL MAGIC CIRCUITS.

EXPERIENCE : JUNIOR EXECUTIVE TRAINEE, FCI, SINDRI, 1991-92; SCIENTIST B, N.A.L. SINCE FEBRUARY, 1992.

PRESENT ACTIVITIES : DESIGN & DEVELOPMENT.

LANGUAGES : TAMIL, ENGLISH.

7140

SHRI M J WILLIAM; (B. MARCH 21, 1946),

SCIENTIST BI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - DIRECTORATE OF TECHNICAL EDUCATION, ANDHRA '70.

SPECIALIZATIONS : DEVELOPMENT & FABRICATION OF MECHANICAL COMPONENTS.

EXPERIENCE : MECHANIC, I.I.S.C., BANGALORE, 1968-72; J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1973-89; SCIENTIST BI, N.A.L. SINCE JANUARY, 1989.

PRESENT ACTIVITIES : MACHINE SHOP DEVELOPMENT & FABRICATION.

LANGUAGES : TAMIL, HINDI, KANNADA, TELUGU, ENGLISH.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1991.

7141

SHRI NISSAR AHMED; (B. FEBRUARY 1, 1941),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : S.S.L.C. '57.

EXPERIENCE : SCIENTIST AI, N.A.L. SINCE JULY, 1989.

PRESENT ACTIVITIES : REPROGRAPHY.

LANGUAGES : URDU, ENGLISH, HINDI, KANNADA, TAMIL.

7142

SHRI A V AINAPUR; (B. DECEMBER 11, 1949),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN RADIO AND ELECTRONICS - BOARD OF TECHNICAL EDUCATION '71.

SPECIALIZATIONS : HIGH POWER EQUIPMENT TESTING.

EXPERIENCE : RADIO MECHANIC B, BHART ELECTRONICS LTD., 1971-73; SCIENTIST AI, N.A.L. SINCE AUGUST, 1973.

PRESENT ACTIVITIES : INSPECTION & TESTING.

LANGUAGES : KANNADA, ENGLISH, HINDI, MARATHI, TAMIL, SANSKRIT.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1988, 1993.

PROFESSIONAL EXPERIENCE (IN YEARS) : DESIGN & TESTING - 23.

7143

SHRI K ANANIHAYACHAR; (B. NOVEMBER 6, 1937),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7144

SHRI V S K ASIRVADHAM; (B. DECEMBER 8, 1935),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

EXPERIENCE : SCIENTIST AI, N.A.L. SINCE MAY, 1963.

PRESENT ACTIVITIES : FABRICATION OF WIND TUNNEL MODELS.

7145

SHRI C ASWATH; (B. SEPTEMBER 18, 1949),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.E. ELECTRICAL - BANGALORE '80.

SPECIALIZATIONS : ELECTRICAL ENGINEERING.

EXPERIENCE : SCIENTIST AI, N.A.L. SINCE AUGUST, 1973.

PRESENT ACTIVITIES : R & D.

LANGUAGES : KANNADA, HINDI.

7146

SHRI N BHARATHAN; (B. APRIL 24, 1941),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7147

SHRI L CHANDRASHEKAR; (B. JULY 3, 1950),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7148

SHRI C V GIRIRAJ; (B. JULY 19, 1951),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. ZOOLOGY - KARNATAKA '71.

SPECIALIZATIONS : FRESH WATER BIOLOGY.

EXPERIENCE : LECTURER, JUNIOR COLLEGE, 1972-76; S.L.A./J.T.A., VIT MUSEUM, 1978-81; S.T.A., N.A.L., 1981-86; SCIENTIST AI, N.A.L. SINCE JUNE, 1986.

PRESENT ACTIVITIES : PUBLICATION WORK.

LANGUAGES : KANNADA, TELUGU, HINDI, TAMIL.

7149

SHRI S G HALAGERI; (B. MAY 29, 1946),

TECHNICAL OFFICER (A), NATIONAL AEROSPACE LABORATORIES, BANGALORE

QUALIFICATIONS : CERTIFICATE COURSE IN LIB. SCIENCE - GOVT. OF MYSORE, DEPT. OF PUB. LIB'S, BANGALORE '72; B.A. - BANGALORE '76; B.LIB.SC. LIB. SC. MANAGEMENT & DOCUMENTATION - UNIV. OF MYSORE '77.**SPECIALIZATION** : TECHNICAL REPORTS MANAGEMENT; INFORMATION PROCESSING AND RETRIEVAL; DOCUMENT ACQUISITION.**EXPERIENCE** : JUNIOR LIBRARIAN, S.L.A., J.T.A., GR.III(2) AND GR.III(3), N.A.L., 1973-90; TECHNICAL OFFICER (A), N.A.L. SINCE OCTOBER 1990.**PRESENT ACTIVITIES** : DOCUMENT ACQUISITION.**LANGUAGES** : KANNADA, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : DOCUMENTATION - 30.**PRESENT ACTIVITIES** : MILLING & BORING.**LANGUAGES** : KANNADA, ENGLISH.

7153

SHRI C R KANNAN; (B. DECEMBER 10, 1953),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - TECHNICAL EDUCATION BOARD '72; B.E. MECHANICAL - BANGALORE '84.**SPECIALIZATIONS** : MECHANICAL TESTING; NON-DESTRUCTIVE TESTING; HEAT TREATMENT OF FERROUS AND NONFERROUS MATERIALS.**EXPERIENCE** : J.L.A., S.L.A., J.T.A. AND S.T.A., N.A.L., 1973-89; SCIENTIST AI, N.A.L. SINCE AUGUST, 1989.**PRESENT ACTIVITIES** : R & D.**LANGUAGES** : KANNADA, ENGLISH, TAMIL, TELUGU, HINDI.

7154

SHRI G KRISHNAMURTHY; (B. MAY 1, 1948),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7155

SMT K LATHA; (B. NOVEMBER 1, 1954),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : M.SC. PHYSICS - BANGALORE '76.**SPECIALIZATIONS** : COMPUTER SOFTWARE APPLICATIONS.**EXPERIENCE** : J.L.A., J.T.A. AND S.T.A., N.A.L., 1977-91; SCIENTIST AI, N.A.L. SINCE FEBRUARY, 1991.**PRESENT ACTIVITIES** : COMPUTER OPERATION & APPLICATION SOFTWARE DEVELOPMENT.**LANGUAGES** : KANNADA, ENGLISH.

7156

SHRI NARASIMHA MURTHY; (B. FEBRUARY 21, 1955),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - STATE TECH. EDUC. BOARD KARNATAKA '75.**SPECIALIZATIONS** : MOTORS AND GENERAL MAINTENANCE.**EXPERIENCE** : DIPLOMA TRAINEE, KIRLOSKAR ELECTRIC CO., MALLESWARAM, BANGALORE, 1975-77; SR. LAB. ASST., JR. LAB. ASST., J.T.A. AND S.T.A., N.A.L., 1977-91; SCIENTIST AI, N.A.L. SINCE MARCH, 1991.**PRESENT ACTIVITIES** : GENERAL ELECTRICAL MAINTENANCE.**LANGUAGES** : TELUGU, KANNADA, ENGLISH, HINDI.

7150

SHRI SRINIVASA HARIRAO; (B. AUGUST 23, 1946),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. MATHEMATICS - MADRAS '70.**EXPERIENCE** : SCIENTIST AI, N.A.L. SINCE MARCH, 1990.**PRESENT ACTIVITIES** : R & D DEVELOPMENT IN AEROSPACE ELECTRONICS.

7151

SHRI K Y JAYARAM; (B. JUNE 12, 1940),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE

QUALIFICATIONS : B.SC. MATHEMATICS - MYSORE '64.**SPECIALIZATIONS** : NUMERICAL METHODS.**EXPERIENCE** : S.L.A., J.T.A. AND S.T.A., N.A.L., 1972-91; SCIENTIST AI, N.A.L. SINCE FEBRUARY, 1991.**PRESENT ACTIVITIES** : R & D.**LANGUAGES** : KANNADA, ENGLISH, TELUGU, TAMIL.

7152

SHRI Y J JEEVAKUMAR; (B. JANUARY 16, 1948),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE

QUALIFICATIONS : NATIONAL TRADE APPRENTICESHIP FITTER'S COURSE - H.A.L., TRAINING COURSE, BANGALORE '68; DIPLOMA IN MECHANICAL ENGINEERING - TECHNICAL EDUCATION BOARD, KARNATAKA '73.**SPECIALIZATIONS** : HORIZONTAL BORING AND MILLING.**EXPERIENCE** : TRADE APPRENTICE, JR. FITTER MECHANIC, SR. FITTER MECHANIC, J.T.A. AND S.T.A., N.A.L., 1968-91; SCIENTIST AI, N.A.L. SINCE JULY, 1991.

PROFESSIONAL EXPERIENCE(IN YEARS) : 19.

7157

SHRI B V NAGARAJA; (B. DECEMBER 12, 1946),
SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '66; DIPLOMA IN TELECOM ENGINEERING - BOARD OF TECHNICAL EDUCATION '78.

SPECIALIZATIONS : ELECTRONICS; VIBRATION TESTING AND ANALYSIS.

EXPERIENCE : J.L.A., S.L.A., J.S.A. AND S.S.A., N.A.L., 1967-91; SCIENTIST AI, N.A.L. SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : FABRICATION.

LANGUAGES : KANNADA, ENGLISH, HINDI.

7160

SHRI T M DEVARAJULU NAIDU; (B. JANUARY 4, 1944),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7161

SHRI S PAVITHRAN; (B. JUNE 1, 1951),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN CINEMATOGRAPHY (MOTION PICTURE PHOTOGRAPHY) - S.J. POLYTECHNIC, BANGALORE '70.

SPECIALIZATIONS : MOTION PICTURE PHOTOGRAPHY; HOLOGRAPHY.

EXPERIENCE : S.L.A., J.T.A. AND S.T.A., N.A.L., 1975-91; SCIENTIST AI, N.A.L. SINCE AUGUST, 1991.

PRESENT ACTIVITIES : COMPOSITE FABRICATIONS.

LANGUAGES : MALAYALAM, KANNADA, TAMIL, TELUGU, HINDI, ENGLISH.

AWARDS & DISTINCTIONS : NAL GROUP AWARD, 1987.

PROFESSIONAL EXPERIENCE(IN YEARS) : 20.

7162

SHRI K PONNURANGAM; (B. APRIL 20, 1939),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

EXPERIENCE : LAB. BEARER, FIELD ASSTT., JR. FITTER MECHANIC, FINE MECHANIC, MECH. ASSTT. AND SR. MECH. ASSTT., N.A.L., 1960-89; SCIENTIST AI, N.A.L. SINCE JULY, 1989.

PRESENT ACTIVITIES : REPROGRAPHY; TECHNICAL/SCIENTIFIC REPORT BINDING.

LANGUAGES : TAMIL, TELUGU, KANNADA, HINDI, ENGLISH.

AWARDS & DISTINCTIONS : NAL AWARD FOR OUTSTANDING PERFORMANCE, 1991, 1992.

PROFESSIONAL EXPERIENCE(IN YEARS) : REPROGRAPHY - 33.

7163

SMT M PREME; (B. JULY 15, 1955),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN TELE-COMMUNICATION - BOARD OF TECH. EDUCATION, BANGALORE '75; POST DIPLOMA IN COMPUTERS - BANGALORE '76; B.E. ELECTRONICS - BANGALORE '87.

SPECIALIZATIONS : ELECTRONICS.

EXPERIENCE : PROJECT ASSTT., I.I.S.C., BANGALORE, 1976-77; SCIENTIST AI, N.A.L. SINCE JANUARY, 1978.

PRESENT ACTIVITIES : INSTRUMENTATION.

LANGUAGES : TAMIL, HINDI, KANNADA, ENGLISH.

7164

SMT SHASHIKALA RAJAPPA; (B. JANUARY 26, 1954),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - MYSORE '72.

SPECIALIZATIONS : EXPERIMENTAL AEROELASTICITY.

EXPERIENCE : J.L.A., J.S.A. AND S.S.A., N.A.L., 1974-91; SCIENTIST AI, N.A.L. SINCE DECEMBER, 1991.

PRESENT ACTIVITIES : AEROELASTICITY TESTING.

LANGUAGES : TELUGU, KANNADA, ENGLISH, HINDI.

7165

SHRI A G RAMESH; (B. JULY 12, 1946),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BOARD OF TECH. EDUC., KARNATAKA '67.

SPECIALIZATIONS : FABRICATION OF OPTICAL AND MECHANICAL COMPONENTS.

EXPERIENCE : JR. LAB. ASSTT., SR. LAB. ASSTT., J.T.A. AND S.T.A., N.A.L. 1968-89; SCIENTIST AI, N.A.L. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : DESIGN AND FABRICATION.

LANGUAGES : TAMIL, ENGLISH, KANNADA, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : 27.

7166

SHRI M R RAJESWARA RAO; (B. JUNE 19, 1945),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

PRESENT ACTIVITIES : PUBLIC RELATIONS.

LANGUAGES : TELUGU, KANNADA, TAMIL, HINDI, ENGLISH.

7167**SHRI N JANARDHANA RAO; (B. FEBRUARY 17, 1952),**

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGG. - BOARD OF TECH. EDUC., MADRAS '71; P.G. DIPLOMA IN DIGITAL COMPUTERS, HARDWARE/SOFTWARE - BOARD OF TECH. EDUCATION, KARNATAKA, 1978.**SPECIALIZATIONS** : ELECTRONICS; CONTROL AND MEASURING SYSTEM; INSTRUMENTATION; AIRBORNE DATA GATHERING.**EXPERIENCE** : S.L.A., J.T.A., S.T.A. AND SCIENTIST AI, N.A.L., 1973-89; SCIENTIST BI, N.A.L. SINCE JUNE, 1989; (ALSO ON DEPUTATION TO GERMANY, 1992-93).**PRESENT ACTIVITIES** : BUILDINGS AVIONICS FOR SMALL AIRCRAFTS.**LANGUAGES** : KANNADA, TAMIL, ENGLISH.**VISITED** : GERMANY.**PUBLICATIONS & PATENTS** : TECH. REPORTS - 9; DEVICES DEVELOPED - 3.**PROFESSIONAL EXPERIENCE(IN YEARS)** : 21.**7168****SHRI P SADANANDA RAO; (B. APRIL 5, 1946),**

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BOARD OF TECH. EDUCATION, KARNATAKA '74.**SPECIALIZATIONS** : TURNER'S JOB.**EXPERIENCE** : TURNER, MYSORE UNIVERSITY, 1962-69; J.F.M., S.F.M., J.T.A. AND S.T.A., N.A.L., 1969-91; SCIENTIST AI, N.A.L. SINCE FEBRUARY, 1991.**PRESENT ACTIVITIES** : TURNER'S JOB.**LANGUAGES** : KANNADA, ENGLISH.**7169****SHRI U P SANKUNNI; (B. AUGUST 15, 1943),**

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : S.S.L.C. - BOARD OF PUBLIC EDUCATION KERALA '60; CERTIFICATE IN CRAFTSMANSHIP (MECHANIST) - DEPT. OF TECH. EDUCATION., KERALA '63.**EXPERIENCE** : APPRENTICE, JUNIOR MECHANIC, SR. MECHANIC, MECH. ASSISTANT AND SR. MECH. ASSISTANT, N.A.L., 1964-87; SCIENTIST AI, N.A.L., BANGALORE SINCE JUNE, 1987.**PRESENT ACTIVITIES** : R & D.**7170****SHRI M S SHANKARA; (B. DECEMBER 25, 1940),**

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - CENTRAL BOARD OF TECH. EDUCATION, KARNATAKA '58.**SPECIALIZATIONS** : ESTIMATION AND SUPERVISION OF CIVIL WORKS.**EXPERIENCE** : CIVIL OVERSEER, I.I.S.C., BANGALORE, 1958-61; SCIENTIST AI, N.A.L. SINCE SEPTEMBER, 1961.**PRESENT ACTIVITIES** : ESTIMATION & SUPERVISION OF CIVIL ENGG. WORKS.**LANGUAGES** : TELUGU, KANNADA, ENGLISH, TAMIL.**7171****SHRI M K SHERIFF; (B. APRIL 4, 1939),**

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : I.T.I. WELDING '60.**EXPERIENCE** : SCIENTIST AI, N.A.L., BANGALORE SINCE MAY, 1963.**PRESENT ACTIVITIES** : MAINTENANCE.**7172****SHRI U M SIDDALINGAIAH; (B. JULY 1, 1950),**

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ART DRAWING AND PAINTING - BOARD OF TECHNICAL EXAMINATION, KARNATAKA '71; B.A. - BANGALORE '81.**SPECIALIZATIONS** : PREPARATION OF ART WORK AND LAYOUTS FOR PUBLICATION.**EXPERIENCE** : ARTIST AND PHOTO ARTIST, V.I.T. MUSEUM, BANGALORE, 1973-81; J.T.A. AND S.T.A., N.A.L., 1981-91; SCIENTIST AI, N.A.L. SINCE FEBRUARY, 1991.**PRESENT ACTIVITIES** : PREPARATION OF LAYOUTS AND ARTWORK.**LANGUAGES** : KANNADA, HINDI, ENGLISH.**7173****SHRI B H MAHABEER SINGH; (B. JUNE 8, 1947),**

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - BOARD OF TECHNICAL EDUCATION '70.**EXPERIENCE** : S.L.A., J.T.A. AND S.T.A., N.A.L., 1977-91; SCIENTIST AI, N.A.L. SINCE DECEMBER, 1991.**PRESENT ACTIVITIES** : WIRING & TESTING.**LANGUAGES** : HINDI, KANNADA, TELUGU, TAMIL, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : TESTING - 6, PILOT PLANT - 8, MAINTENANCE - 2.

7174

SHRI P VANATHU SINNAPPAN; (B. SEPTEMBER 9, 1952),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7175

SHRI S SRIDHARA; (B. MARCH 11, 1954),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '72; B.E. ELECTRONICS - BANGALORE '77.

EXPERIENCE : S.L.A., J.S.A. AND S.S.A., N.A.L., 1979-91; SCIENTIST AI, N.A.L. SINCE DECEMBER, 1991.

PRESENT ACTIVITIES : INSTRUMENTATION, TESTING AND DEVELOPMENT.

LANGUAGES : KANNADA, TAMIL, HINDI, ENGLISH.

7176

SHRI R SRINIVASAN; (B. JULY 6, 1940),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

7177

SHRI T SRINIVASAN; (B. APRIL 29, 1942),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING.

SPECIALIZATIONS : CIVIL ENGINEERING.

EXPERIENCE : CIVIL ENGINEER.

PRESENT ACTIVITIES : BUILDING CONSTRUCTIONS, MAINTENANCE WORKS CONNECTED TO LAB, ALL CIVIL ENGINEERING WORKS IN LAB.

LANGUAGES : KANNADA, TAMIL, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : 34.

7178

SHRI S R SHYAM SUNDAR; (B. MARCH 12, 1950),

SCIENTIST A, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - BOARD OF TECHNICAL EDUC., BANGALORE '68; B.SC. - BANGALORE '72.

EXPERIENCE : SCIENTIST A, N.A.L. SINCE JUNE, 1975.

LANGUAGES : KANNADA, ENGLISH, HINDI, TAMIL.

7179

SHRI A NARAYANA SWAMY; (B. JUNE 3, 1962),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING.

EXPERIENCE : SCIENTIST AI, N.A.L. SINCE JUNE, 1992.

PRESENT ACTIVITIES : CALIBRATION/TEST ON A STANDARD AFTERBODY MODEL AT BASE; FLOW WIND TUNNEL, EAD. DIVISION.

LANGUAGES : TAMIL, KANNADA, TELUGU, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : 8.

7180

SHRI P T CHARLY THOMAS; (B. DECEMBER 8, 1938),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : S.S.L.C. - KERALA '58; P.U.C. - KERALA '60; WORK & ORIENTATION COURSE AS FITTER - N.C.U.T., KERALA '62.

EXPERIENCE : IIIRD GRADE FITTER, KANNAN DEVA HILL PRODUCE COMPANY, 1962-63; FITTER (TOOL ROOM), H.M.T., 1963-68; SCIENTIST AI, N.A.L. SINCE DECEMBER, 1968.

PRESENT ACTIVITIES : FABRICATION OF WIND TUNNEL MODELS.

7181

SHRI P G VAIKUNTAVASAN; (B. JUNE 4, 1948),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : N.A.C. MACHINIST - NCTVT '73; D.M.E. - BOARD OF TECH. EDU. '79; B.E. - BANGALORE '89.

SPECIALIZATIONS : PRODUCTION ENGINEERING.

EXPERIENCE : TRAINEE, H.M.T., BANGALORE 1970-73; G7 SETTER, MICI, BANGALORE, 1973-75; SCIENTIST AI, N.A.L. SINCE AUGUST, 1975.

LANGUAGES : TAMIL, KANNADA, HINDI, TELUGU, ENGLISH.

7182

SHRI M N VARADARAJAN; (B. APRIL 16, 1953),

SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : N.A.C. MACHINIST - NCTVT '73; DIPLOMA IN MECHANICAL ENGINEERING BOARD OF TECHNICAL EDUCATION '79; B.E. MECHANICAL ENGINEERING - BANGALORE '89.

SPECIALIZATIONS : PRODUCTION ENGINEERING.

EXPERIENCE : TRAINEE, HMT, BANGALORE, 1970-73; G7 SETTER, MICO, BANGALORE, 1973-75; SCIENTIST AI, N.A.L. SINCE AUGUST, 1975.

LANGUAGES : TAMIL, KANNADA, HINDI, TELUGU, ENGLISH.

7183

SHRI C VASUDEVAN; (B. SEPTEMBER 15, 1940),
SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

LANGUAGES : MALAYALAM, HINDI, TAMIL, KANNADA, URDU, TELUGU, ENGLISH.

7184

SHRI D VENKATARAJAN; (B. APRIL 18, 1947),
SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : B.SC. - BANGALORE '68; P.G.D.S. STATISTICS - BANGALORE '80.

SPECIALIZATIONS : COMPUTER SOFTWARE APPLICATIONS.

EXPERIENCE : J.L.A., S.L.A., J.T.A. AND S.T.A., N.A.L., 1970-91; SCIENTIST AI, N.A.L. SINCE DECEMBER, 1991.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

7185

SHRI SYED ZAHIRUDDIN; (B. JUNE 12, 1939),
SCIENTIST AI, NATIONAL AEROSPACE LABORATORIES, BANGALORE.

QUALIFICATIONS : DIPLOMA IN MECHANICAL DRAUGHTSMANSHIP - I.T.I., BANGALORE. '58.

SPECIALIZATIONS : MECHANICAL DRAUGHTSMANSHIP.

EXPERIENCE : APPRENTICESHIP, KIRLOSKAR ELECT. CO., 1958; DRAUGHTSMAN B, INDIAN TELEPHONE INDUSTRIES LTD., 1958-60; SCIENTIST AI, N.A.L. SINCE AUGUST, 1960.

PRESENT ACTIVITIES : MECHANICAL DRAWING.

LANGUAGES : URDU, HINDI, KANNADA, ENGLISH.

**Structural Engineering Research
Centre, Madras**

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SHRI N V RAMAN; (B. JUNE 7, 1935),

DIRECTOR, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MYSORE '55; M. ENGG. SCIENCE (STRUCTURAL ENGINEERING) - MELBOURNE AUSTRALIA '61.**SPECIALIZATIONS :** ADVANCED STRUCTURAL ANALYSIS AND DESIGN; COMPUTER SOFTWARE DEVELOPMENT; NONLINEAR ANALYSIS OF FRAMES AND GUYED STRUCTURES INCLUDING BUCKLING; ANALYSIS AND DESIGN OF TOWERS AND TOWER-LIKE STRUCTURES.**EXPERIENCE :** J.S.O., SCIENTIST B, SCIENTIST C, SCIENTIST E, SCIENTIST F AND SCIENTIST G, S.E.R.C., 1957-90; DIRECTOR, S.E.R.C. SINCE MARCH, 1990.**PRESENT ACTIVITIES :** RESEARCH AND RESEARCH MANAGEMENT IN ADVANCED STRUCTURAL ANALYSIS AND DESIGN; COMPUTER SOFTWARE DEVELOPMENT.**LANGUAGES :** TELUGU, KANNADA, TAMIL, HINDI, ENGLISH.**VISITED :** AUSTRALIA, U S A**PUBLICATIONS & PATENTS :** RES. PAPERS - 40, TECH. REPORTS - 22, PATENTS TAKEN - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 22, APP. RES. - 22, DESIGN - 9, R & D MGMT. - 15, CONSTN. - 2, TEACHING - 1, ADMN. - 12, EDITING - 3, COMPUTER PROCESSING - 19.

7187

DR T V S R APPA RAO; (B. FEBRUARY 7, 1941),

SCIENTIST H, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E.(HONS) CIVIL - ANDHRA '62; M.S. STRUCTURAL ENGINEERING - HAWAII, U S A '65; PH.D. STRUCUTRAL ENGINEERNG - CORNELL, U S A '68.**SPECIALIZATIONS :** COMPUTER AIDED ANALYSIS AND DESIGN OF STRUCTURES; EXPERIMENTAL STRESS ANALYSIS; FINITE ELEMENT ANALYSIS; ANALYSIS OF SHELL STRUCTURES.**EXPERIENCE :** ASSOCIATE LECTURER, S.V. UNIVERSITY ENGINEERING COLLEGE, TIRUPATI, 1962-63; RESEARCH ASSISTANT AND POST-DOCTORAL RESEARCH ASSOCIATE, CORNELL UNIVERSITY, U S A, 1965-68; STAFF ENGINEER, SIMPSON GUMPERTZ & HEGER CONSULTING ENGINEERS, U S A, 1968-69; SCIENTIST C, SCIENTIST EI, SCIENTIST EII, SCIENTIST F AND SCIENTIST G, S.E.R.C., 1969-83; (ALSO VISITING ASSOCIATE PROFESSOR, CORNELL UNIVERSITY, U S A, 1976-77); SCIENTIST H, S.E.R.C. SINCE JANUARY, 1983.**PRESENT ACTIVITIES :** ANALYSIS AND DESIGN OF SHIP STRUCTURES AND HYPERBOLOID COOLING TOWERS.**LANGUAGES :** TELUGU, ENGLISH.**VISITED :** U S A, W. GERMANY, BULGARIA, JAPAN, KOREA.**PUBLICATIONS & PATENTS :** RES. PAPERS - 32, TECH. REPORTS - 37.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC AND APP. RES. - 25, R & D MGMT. - 15, TEACHING - 2.

7188

DR R NARAYANAN; (B. JUNE 12, 1941),

SCIENTIST F, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : LICENTATE CIVIL ENGINEERING - MADRAS '60; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '63; M.E. STRUCTURAL ENGINEERING - ROORKEE '72; PH.D. EXPERIMENTAL MECHANICS - ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, U S A '81.**SPECIALIZATIONS :** EXPERIMENTAL MECHANICS; FINITE ELEMENT ANALYSIS; SHELL AND FOLDED PLATES; COMPUTER AIDED ANALYSIS AND DESIGN.**EXPERIENCE :** SUPERVISOR, MADRAS P.W.D., 1960-61; SUPERVISOR/JR. ENGINEER, B.H.E.L., TIRUCHIRAPALLI, MADRAS 1961-66; S.S.A., SCIENTIST A, SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, S.E.R.C., MADRAS 1966-90; SCIENTIST F, S.E.R.C., MADRAS SINCE OCTOBER, 1990.**PRESENT ACTIVITIES :** ANALYSIS, DESIGN AND EXPERIMENTAL INVESTIGATIONS OF COMPLICATED STRUCTURES.**LANGUAGES :** TAMIL, HINDI, SANSKRIT, ENGLISH.**VISITED :** U S A, CANADA, GERMANY.**PUBLICATIONS & PATENTS :** RES. PAPERS - 60, TECH. REPORTS - 70, SCIENTIFIC BOOKS - 2, PROCESSES DEVELOPED - 2.**AWARDS & DISTINCTIONS :** MHETENYI AWARD BY THE SOCIETY OF EXPERIMENTAL STRESS ANALYSIS, U S A, 1982.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 24, DESIGN, 24, CONSULTANCY - 24, R & D MGMT. - 14, CONSTRUCTION - 6, TEACHING - 3, EDITING - 9, COMPUTER APPLICATIONS - 24, EXPERIMENTAL INVESTIGATIONS - 14.

7189

SHRI V S PARAMESWARAN; (B. DECEMBER 23, 1939),

SCIENTIST F, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E.(HONS) CIVIL - MADRAS '61; M.S. STRUCTURAL ENGINEERING - I.I.T., MADRAS '73; CERTIFICATE PRECAST CONCRETE & BRIDGES - CEMENT AND CONCRETE ASSOCIATION, U.K. '75.**SPECIALIZATIONS :** REINFORCED AND PRESTRESSED CONCRETE; SPECIAL CONCRETE AND COMPOSITES; PREFABRICATION; HOUSING; INDUSTRIAL CONSULTANCY.**EXPERIENCE :** S.O., NEYVELI LIGNITE CORPORATION, 1961; DESIGN ENGINEER, ENGINEERING CONSTRUCTION CORPORATION LTD., MADRAS, 1961-62; TOWN PLANNING OFFICER, GOVERNMENT OF TAMIL NADU, 1962-65; SENIOR DESIGN ENGINEER, NILKANTAN & BROS., MADRAS, 1965-66; SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, S.E.R.C., MADRAS, 1966-89; (ALSO U.N. CONSULTANT, IRAQ, 1972; ADVANCED TRAINING AS U.N.D. FELLOW ON PREFABRICATION, 1975-76; CONSULTANT TO BUILDING RESEARCH CENTRE, KUWAIT, 1982; CSIR-NSF VISITING SCIENTIST TO USA-OCT-NOV 1984; VISITING SCIENTIST TO USA JAN-FEB 1989); SCIENTIST F, S.E.R.C., MADRAS SINCE OCTOBER 1989.**PRESENT ACTIVITIES :** R & D, CONSULTANCY AND R & D MANAGEMENT.**LANGUAGES :** TAMIL, ENGLISH.

VISITED : IRAQ, U.K., FRANCE, W. GERMANY, SWEDEN, U S A, KUWAIT.

PUBLICATIONS & PATENTS : RES. PAPERS - 84, TECH. REPORTS - 112, ARTICLES - 2, OTHERS - 16, PATENTS TAKEN - 1, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : BRASS PLAQUE FOR CONDUCTING AN ADVANCED COURSE ON PRESTRESSED CONCRETE, BUILDING RESEARCH CENTRE, BAGHDAD, IRAQ, 1972; INVENTIONS PROMOTION BOARD AWARD FOR DESIGN AND PRODUCTION OF PRESTRESSED CONCRETE SLEEPERS, 1981; VICE PRESIDENT, INDIAN CONCRETE INSTITUTE, 1987-89; MEMBER, INSTITUTE OF CONCRETE TECHNOLOGY, LONDON, 1982; FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1984.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, TECH. DEV. PILOT PLANT, CONSULTANCY, R & D MANAGEMENT, CONSTRUCTION TESTING, QUALITY CONTROL, TEACHING, TECHNOECONOMIC SURVEYS, PLANNING, TECHNOLOGY TRANSFER, EDITING AND DOCUMENTATION-30.

7190

DR A G MADHAVA RAO; (B. JULY 2, 1935),

SCIENTIST F, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '57; M.TECH. STRUCTURAL ENGINEERING - I.I.T., BOMBAY '65; PH.D. STRUCTURAL ENGINEERING - MOSCOW CIVIL ENGINEERING INSTITUTE, MOSCOW, U.S.S.R. '69.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; PRECAST REINFORCED AND PRESTRESSED CONCRETE STRUCTURES; HOUSING; FATIGUE IN OFFSHORE STRUCTURES.

EXPERIENCE : TECHNICAL ASSISTANT AND ASSISTANT ENGINEER, BHILAI STEEL PLANT, BHILAI, 1957-61; LECTURER, CIVIL ENGINEERING DEPARTMENT, I.I.T., BOMBAY, 1961-65; POOL OFFICER (CSIR), SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, S.E.R.C., 1969-86; (ALSO ADVANCED TRAINING IN SYSTEMS BUILDING AND MASS HOUSING, UNDER U.N.D.P., FRANCE, DENMARK AND U S A, 1975-76 AND CHIEF TECHNICAL ADVISER AND BUILDING RESEARCH EXPERT-SET UP JAMAICAN BUILDING RESEARCH INSTITUTE AT KINGSTONE, JAMAICA, 1984-86); SCIENTIST F, S.E.R.C., MADRAS SINCE FEB. 1986.

PRESENT ACTIVITIES : R & D IN OFFSHORE STRUCTURES, FATIGUE AND FRACTURE IN STEEL AND CONCRETE STRUCTURES.

LANGUAGES : KANNADA, TAMIL, ENGLISH, RUSSIAN.

VISITED : U.S.S.R., U S A, FRANCE, DENMARK, NORWAY, PHILIPPINES, JAMAICA, CANADA, U.K., PERU.

PUBLICATIONS & PATENTS : RES. PAPERS - 55, TECH. REPORTS - 48, SCIENTIFIC BOOKS - 3, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 3.

AWARDS & DISTINCTIONS : NRDC CERTIFICATE FOR DESIGN AND PRODUCTION OF MONOBLOCK PRESTRESSED CONCRETE RAILWAY SLEEPERS; FELLOW, INSTITUTION OF ENGINEERS (INDIA); FELLOW, INSTITUTION OF STANDARDS ENGINEERS; FELLOW, CENTRE FOR ADVANCED ENGINEERING STUDY OF THE MIT, CAMBRIDGE, USA; CERTIFICATE OF MERIT FOR THREE PAPERS PUBLISHED IN THE JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA), 1985, 1987, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 20, DESIGN - 12, CONSULTANCY - 20, R & D

MANAGEMENT - 15, CONSTRUCTION - 3, TEACHING - 4, TECHNOLOGY TRANSFER - 15, TESTING - 15.

7191

DR B VENKATESWARLU; (B. JULY 15, 1935),

SCIENTIST F, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - ANDHRA '58; M.TECH. HYDRAULICS - I.I.T., KHARAGPUR '62; M.S. STRUCTURAL ENGINEERING - UNIVERSITY OF IOWA, U S A '67; PH.D. STRUCTURAL ENGINEERING - UNIVERSITY OF KENTUCKY, U S A '70.

SPECIALIZATIONS : ANALYSIS AND DESIGN OF BUILDINGS; PRESTRESSED CONCRETE PIPES; WIND AND EARTHQUAKE FORCES; UNDERGROUND AND SUBMERGED STRUCTURES; CONCRETE COMPOSITES.

EXPERIENCE : SUPERVISOR, C.W.P.C., 1958; LECTURER, COLLEGE OF ENGINEERING, KAKINADA, 1958-59; FACULTY MEMBER, I.I.T., KHARAGPUR, 1960-1965; DESIGN ENGINEER, WATKINS & ASSOCIATE, U S A, 1967-68; FACULTY MEMBER, UNIVERSITY OF KENTUCKY, U S A, 1968-70; POOL OFFICER (CSIR), SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, S.E.R.C., 1970-87; SCIENTIST F, S.E.R.C. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH IN CONCRETE COMPOSITES AND WIND ENGINEERING.

LANGUAGES : TELUGU, ENGLISH, FRENCH, HINDI, GERMAN.

VISITED : U S A, W. GERMANY, U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 35, TECH. REPORTS - 29, PATENTS FILED - 2.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA).

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 18, DESIGN - 15, CONSULTANCY - 10, CONSTRUCTION - 5, TESTING - 5, TEACHING - 20.

7192

SHRI S GOPALAKRISHNAN; (B. NOVEMBER 25, 1944),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.SC. - MADRAS '64; B.E. CIVIL - MADRAS '67; M.SC. (ENGG.) STRUCTURAL ENGINEERING - MADRAS '70; CERTIFICATE IN GERMAN LANGUAGE - WEST GERMANY '75.

SPECIALIZATIONS : ANALYSIS AND DESIGN OF SILOS; FERROCEMENT TECHNOLOGY; SOFTWARE DEVELOPMENT FOR R C STRUCTURES; R C NATURAL DRAUGHT HYPERBOLOID COOLING TOWERS; INELASTIC ANALYSIS OF R C PLATE/SHELL STRUCTURES.

EXPERIENCE : JUNIOR ENGINEER, P.W.D., TAMIL NADU, 1969-70; (ALSO ADVANCED TRAINING IN ANALYSIS, DESIGN AND CONSTRUCTION OF LARGE CAPACITY SILOS, WEST GERMANY, 1975-76); SCIENTIST EII, S.E.R.C. SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : RESEARCH IN STRUCTURAL ENGINEERING.

LANGUAGES : TAMIL, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 22, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1,

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 21.

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SHRI G V SURYA KUMAR; (B. JULY 1, 1947),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.TECH. CIVIL - I.I.T., MADRAS '68; M.TECH. CIVIL - I.I.T., MADRAS '70.

SPECIALIZATIONS : FERROCEMENT TECHNOLOGY; COMPUTER ANALYSIS OF STRUCTURES; DESIGN AND CONSTRUCTION OF CIVIL STRUCTURES.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, S.E.R.C., ROORKEE, 1971- 81; (ALSO WORKED ON FINITE ELEMENT ANALYSIS OF STRUCTURES, UNIVERSITY OF STUTTGART, WEST GERMANY, 1976-78); SCIENTIST C AND SCIENTIST EI, S.E.R.C., MADRAS, 1981-86; SCIENTIST EII, S.E.R.C., MADRAS SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : RESEARCH; SOFTWARE DEVELOPMENT FOR STRUCTURAL ANALYSIS; MAINTENANCE AND UPKEEP OF MICROCOMPUTERS; SOFTWARE DEVELOPMENT FOR LINEAR AND NON-LINEAR DYNAMIC ANALYSIS OF STRUCTURES.

LANGUAGES : HINDI, TELUGU, ENGLISH, GERMAN.

VISITED : W. GERMANY, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 25, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 5, TECH. DEV. - 3, COMPUTER PROCESSING - 8.

7194

SHRI K LOGANATHAN; (B. JULY 1, 1947),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : LICENTIATE IN CIVIL ENGINEERING - TAMIL NADU '61; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS, (INDIA) '70; M.E. STRUCTURAL DYNAMICS '90.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; STRUCTURAL DYNAMICS; SOFTWARE DEVELOPMENT; SYSTEM PROGRAMMING; PARALLEL PROCESSING.

EXPERIENCE : SUPERVISOR, B.H.E.L., TIRUCHIRAPALLI, 1962-66; SUPERVISOR, M.N. DASTUR AND CO., DURGAPUR, 1966; S.S.A., C.B.R.I., ROORKEE, 1966-68; SCIENTIST A, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, S.E.R.C., 1968-87; (ALSO TRAINING IN DESIGN OF PRESSURE VESSELS, U S A, 1977-78); SCIENTIST EII, S.E.R.C. SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : COMPUTER AIDED DESIGN AND PARALLEL PROCESSING.

LANGUAGES : TAMIL, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 41.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 24, DESIGN - 24, CONSULTANCY - 24, R & D MANAGEMENT - 12, CONSTRUCTION - 8, COMPUTER PROCESSING - 24.

7195

SHRI K MANI; (B. FEBRUARY 2, 1944),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.SC. - MADRAS '63; B.E. CIVIL - MADRAS '66; M.SC. (ENGG.) STRUCTURAL ENGINEERING - MADRAS '68.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; PREFABRICATED CONSTRUCTION TECHNIQUES; INVESTIGATION OF FAILURES, REPAIRS AND RENOVATIONS.

EXPERIENCE : ASSOCIATE LECTURER, DEPARTMENT OF TECHNICAL EDUCATION, MADRAS, 1968-71; S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, S.E.R.C., 1971-88; (ALSO TRAINING IN PREFABRICATED CONSTRUCTION TECHNIQUES, THE NETHERLANDS AND HUNGARY, 1977-78); SCIENTIST EII, S.E.R.C. SINCE JANUARY 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TAMIL, HINDI, ENGLISH.

VISITED : THE NETHERLANDS, HUNGARY, GERMANY, YEMEN ARAB REPUBLIC.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 30.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, DESIGN - 1, TECHNICAL DEV. - 2, CONSULTANCY - 4, CONSTRUCTION - 3, QUALITY CONTROL - 1, TEACHING - 2. TECHNOLOGY TRANSFER - 1.

7196

SHRI P R NATARAJAN; (B. JUNE 26, 1942),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '63; M.E. STRUCTURAL ENGINEERING - ROORKEE '67.

SPECIALIZATIONS : DESIGN OF STEEL AND CONCRETE STRUCTURES.

EXPERIENCE : ASSISTANT DESIGN ENGINEER, M/S KAVERI STRUCTURAL, TIRUCHIRAPALLI, 1963-64; S.R.F., ROORKEE UNIVERSITY, 1964-68; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, S.E.R.C., 1968-87; (ALSO ADVANCED RESEARCH AND TRAINING IN THE DESIGN OF LARGE STEEL STRUCTURES, WEST GERMANY, 1974-75 AND TRAINING IN TOWER TESTING, U.K., 1982); SCIENTIST EII, S.E.R.C. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D AND DESIGN OF STEEL STRUCTURES; TOWER TESTING.

LANGUAGES : TAMIL, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, SPAIN, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 15, SCIENTIFIC BOOKS - 1, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, DESIGN - 10, CONSULTANCY - 5, R & D MGMT. - 10, CONSTRUCTION - 3, TESTING - 5, TEACHING - 1, COMPUTER PROCESSING - 10.

7197

SHRI K S SHANKAR PURESWARAN; (B. DECEMBER 15, 1944),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. ELECTRONICS - B.I.T.S. PILANI '68.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION; SYSTEM MAINTENANCE; ELECTRONIC CONTROLS; DIGITAL DATA SYSTEMS.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, N.A.L., BANGALORE, 1968-83; (ALSO VISITED U S A, U.K. AND DENMARK, UNDER UNESCO FELLOWSHIP, FOR ADVANCED TRAINING IN ELECTRONIC INSTRUMENTATION, 1976-77); SCIENTIST EI, S.E.R.C., 1983-88; SCIENTIST EII, S.E.R.C. SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : RESEARCH, OPERATION AND MAINTENANCE; R & D MANAGEMENT.

LANGUAGES : HINDI, TAMIL, KANNADA, ENGLISH.

VISITED : U S A, U.K., DENMARK.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 8, R & D MANAGEMENT - 4, OPERATION - 3, TESTING - 2, MAINTENANCE - 5.

7198

DR A RAJARAMAN; (B. JUNE 15, 1941),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '63; M.TECH. STRUCTURAL ENGINEERING - I.I.T., MADRAS '65; PH.D. STRUCUTRAL ENGINEERING - I.I.S.C., BANGALORE '73.

SPECIALIZATIONS : COMPUTER AIDED DESIGN AND OPTIMISATION OF STRUCTURES; SOFTWARE DEVELOPMENT FOR STRUCTURAL ENGINEERING; PRESTRESSED CONCRETE; NUCLEAR CONTAINMENTS.

EXPERIENCE : ASSISTANT DIRECTOR, CENTRAL WATER POWER COMMISSION, NEW DELHI, 1965-66; S.R.F. (C.S.I.R.), INDIAN INSTITUTE OF SCIENCE, BANGALORE, 1966-70; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, S.E.R.C., 1970-86; (ALSO POST-DOCTORAL SCHOLAR, U S A, 1975-76 AND VISITING SCIENTIST, CONCORDIA UNIVERSITY, MONTREAL, CANADA, 1986); SCIENTIST EII, S.E.R.C. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH, TEACHING AND SOFTWARE DEVELOPMENT.

LANGUAGES : TAMIL, HINDI, ENGLISH, FRENCH.

VISITED : U S A, CANADA.

PUBLICATIONS & PATENTS : RES. PAPERS - 42, TECH. REPORTS - 15, ARTICLES - 3, SOFTWARE PACKAGES - 11.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 12, DESIGN - 3, CONSULTANCE - 1, TEACHING - 5, R & D MGMT. - 3, ADMN. - 3.

7199

SHRI AS PRASADA RAO; (B. SEPTEMBER 29, 1938),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7200

SHRI GADDE JAYARAMA RAO; (B. NOVEMBER 17, 1939),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '60; LICENTATE OF TECH. CONCRETE STRUCTURES TECH. & STRUCT. MECHANICS - TECH. UNIV., HELSINKI, FINLAND '68.

SPECIALIZATIONS : EXPERIMENTAL STRESS ANALYSIS; RESIDUAL STRESSES; FRACTURE MECHANICS; COMPUTER SIMULATION; MATHEMATICAL AND NUMERICAL MODELING.

EXPERIENCE : JUNIOR ENGINEER, P.W.D., ANDHRA PRADESH, 1961-66; POOL OFFICER, SCIENTIST B, SCIENTIST C AND SCIENTIST EI, S.E.R.C., MADRAS 1970-89; (ALSO TRAINING IN OPTICAL METHODS OF STRAIN ANALYSIS, U S A, 1977); SCIENTIST EII, S.E.R.C., MADRAS SINCE JANUARY, 1989.

PRESENT ACTIVITIES : RESEARCH USING EXPERIMENTAL TECHNIQUES, SIMULATION AND MODELLING.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 18, DESIGN - 4, CONSTRUCTION - 2.

7201

DR P SRINIVASULU; (B. JULY 12, 1939),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.A. - SRI VENKATESWARA '57; B.E. CIVIL - OSMANIA '60; M.E. STRUCTURES - POONA '65; DR. TECH. CIVIL ENGINEERING (MECHANICS) - TECHNICAL UNIVERSITY OF BUDAPEST, HUNGARY '69.

SPECIALIZATIONS : STRUCTURAL DYNAMICS; MACHINE FOUNDATION; COMPUTER ANALYSIS OF STRUCTURES.

EXPERIENCE : SECTION OFFICER (CIVIL), NEYVELI LIGNITE CORPORATION LTD., NEYVELI, 1960-61; ASSOCIATE LECTURER, REGIONAL ENGINEERING COLLEGE, WARANGAL, 1961-64; LECTURER, COLLEGE OF MILITARY ENGINEERING, PUNE, 1964-65; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, S.E.R.C., 1966-86; (ALSO ADVANCED TRAINING IN STRUCTURAL DYNAMICS AND MACHINE FOUNDATIONS IN HUNGARY, 1968-69 AND IN U S A, U.K., GERMANY AND ITALY, 1976-77); SCIENTIST EII, S.E.R.C., SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D, INDUSTRIAL CONSULTANCY ON VIBRATION PROBLEMS IN CIVIL ENGINEERING ESPECIALLY MACHINE FOUNDATIONS.

LANGUAGES : TELUGU, HINDI, ENGLISH, GERMAN.

VISITED : HUNGARY, U S A, U.K., GERMANY, ITALY.

PUBLICATIONS & PATENTS : RES. PAPERS - 50, R & D PROJECT REPORT - 16, CONSULTANCY PROJECT REPORT - 24.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES., DESIGN, TECHNICAL DEVELOPMENT (TOTAL 24 YEARS), CONSULTANCY - 20, R & D MGMT. - 17, TEACHING - 4.

7202

SHRI C V VAIDYANATHAN; (B. SEPTEMBER 15, 1946),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - ANNAMALAI '68; M.SC. STRUCTURAL ENGINEERING - ANNAMALAI '70; B.A. - DELHI '73; DIPLOMA IN GERMAN - ANNAMALAI '65.

SPECIALIZATIONS : STRUCTURAL ANALYSIS AND DESIGN; COMPUTER AIDED DESIGN AND SOFTWARE DEVELOPMENT; OPTIMISATION OF STRUCTURES; DYNAMIC ANALYSIS OF STRUCTURES AND MACHINE FOUNDATIONS.

EXPERIENCE : JUNIOR ENGINEER, P.W.D., MADRAS, 1970-71; SCIENTIST B, SCIENTIST C, AND SCIENTIST EI, S.E.R.C. 1971-87; (ALSO ADVANCED TRAINING IN SYSTEMS PROGRAMMING AND PROBLEM ORIENTED LANGUAGES, U.K., 1976-77 AND U S A, 1977-87); SCIENTIST EII, S.E.R.C. SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, TAMIL, SANSKRIT, ENGLISH, GERMAN.

VISITED : U.K., U S A, JORDAN, KOREA.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 43, SCIENTIFIC BOOKS - 1, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, DESIGN - 19, CONSULTANCY - 16, R & D MGMT. - 15, CONSTRUCTION - 2, PLANNING - 15, TECHNOLOGY TRANSFER - 7, ADMN. - 15, COMPUTER PROCESSING - 20.

7203

SHRI M ARUMUGAM; (B. MARCH 17, 1944),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '67; M.TECH. STRUCTURES - I.I.T., MADRAS '69.

SPECIALIZATIONS : STRUCTURAL STABILITY AND DYNAMICS; REINFORCED CONCRETE STRUCTURES; WIND ENGINEERING; PRESTRESSED CONCRETE STRUCTURES.

EXPERIENCE : S.R.F., I.I.T., MADRAS, 1969-70; ASSOC. LECTURER, P.S.G. COLLEGE OF TECHNOLOGY, COIMBATORE, 1970; RESEARCH FELLOW, I.I.T., MADRAS 1971-75; LECTURER, BHAKTAVATSALAM POLYTECHNIC, 1975-76; ENGINEER, NILAKANTAN & BROS. CONSTRUCTIONS, MADRAS 1976-77; SCIENTIST B AND SCIENTIST C, S.E.R.C., 1977-88; SCIENTIST EI, S.E.R.C. SINCE MARCH, 1982.

PRESENT ACTIVITIES : R & D IN WIND ENGINEERING.

LANGUAGES : TAMIL, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 32, ARTICLES - 3.

PROFESSIONAL EXPERIENCE(N YEARS) : BASIC RES. - 5, APP. RES. - 13, DESIGN - 2, CONSULTANCY - 5, CONSTRUCTION - 1, TESTING - 12, TEACHING - 2, PLANNING - 2, EDITING - 2, DOCUMENTATION - 5, COMPUTER PROCESSING - 14.

7204

SHRI M V DHARANEEPATHY; (B. MARCH 31, 1940),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : LICENTIATE IN CIVIL ENGINEERING - TAMIL NADU '60; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS, (INDIA) '67; M.TECH. STRUCTURAL ENGINEERING - I.I.T., BOMBAY '80.

SPECIALIZATIONS : OFFSHORE STRUCTURES; STRUCTURAL DYNAMICS; EXPERIMENTAL STRESS ANALYSIS; STOCHASTIC MECHANICS.

EXPERIENCE : SUPERVISOR, P.W.D., MADRAS, 1960-61; DEMONSTRATOR, TAMILNAD POLYTECHNIC, MADURAI, 1961-64; J.T.A. AND S.T.A., I.I.T., BOMBAY, 1964-80; SCIENTIST B AND SCIENTIST C, S.E.R.C. 1981-82; SCIENTIST EI, S.E.R.C. SINCE DECEMBER, 1982.

PRESENT ACTIVITIES : ANALYSIS OF OFFSHORE AND BLAST-LOADED STRUCTURES.

LANGUAGES : TELUGU, TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 8, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 26, DESIGN - 5, TECHNICAL DEVELOPMENT - 3, CONSULTANCY - 5, R & D MGMT. - 3, CONSTRUCTION - 1, TESTING - 16, TEACHING - 3, COMPUTER PROCESSING - 9.

7205

DR A C R DJUGASH; (B. JULY 22, 1948),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '70; M.TECH. STRUCTURAL ENGINEERING - I.I.T., MADRAS '72; PH.D. CIVIL ENGINEERING - I.I.T., MADRAS '88.

SPECIALIZATIONS : LOW COST HOUSING; STEEL INDUSTRIAL STRUCTURES; THIN WALLED COLD FORMED STEEL STRUCTURES; STEEL BRIDGES; SOFTWARE DEVELOPMENT.

EXPERIENCE : SITE ENGINEER, SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION, TUTICORIN, 1972-73; S.S.A., SCIENTIST B AND SCIENTIST C, S.E.R.C., 1973-87; SCIENTIST EI, S.E.R.C. SINCE APRIL, 1987.

PRESENT ACTIVITIES : R & D IN STEEL INDUSTRIAL STRUCTURES; WORKS CO-ORDINATOR FOR S.E.R.C. AND C.S.I.R. COMPLEX.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 23, TECH. REPORTS - 18, SCIENTIFIC BOOKS - 1, ARTICLE - 1, PATENTS TAKEN - 1.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF ENGINEERS (INDIA), 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 4, DESIGN - 3, CONSULTANCY - 2, CONSTRUCTION - 1, PLANNING - 2, COMPUTER PROCESSING - 2.

7206

SHRI NAGESH RANGANATHA IYER; (B. NOVEMBER 6, 1952),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - M.S. UNIV. OF BARODA '74; M.E. STRUCTURES - I.I.S.C., BANGALORE '76.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; FINITE ELEMENT ANALYSIS; NUMERICAL AND COMPUTER METHODS; POWER PLANT STRUCTURES; SHIP STRUCTURES.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, S.E.R.C., 1977-88; SCIENTIST EI, S.E.R.C. SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : KANNADA, MARATHI, GUJARATI, TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 25, ARTICLES - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 11, DESIGN - 3, TECHNICAL DEV. - 5, CONSULTANCY - 5.

7207

SHRI N JAYARAM; (B. NOVEMBER 8, 1946),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '69; M.E. STRUCTURAL ENGINEERING - I.I.S.C., BANGALORE '72.

SPECIALIZATIONS : STRUCTURAL ENGINEERING.

EXPERIENCE : TEACHING ASSISTANT, REGIONAL ENGINEERING COLLEGE, TIRUCHIRAPALLI, 1969-70; SITE ENGINEER, EAST COAST CONSTRUCTION & INDUSTRIES, MADRAS, 1972-75; DESIGN ENGINEER, NILAKANTAN & BROS. CONSTRUCTION (P) LTD., MADRAS, 1975-76; SCIENTIST B AND SCIENTIST C, S.E.R.C., 1976-87; SCIENTIST EI, S.E.R.C. SINCE JANUARY, 1987.

PRESENT ACTIVITIES : RESEARCH AND RESEARCH MANAGEMENT IN STRUCTURAL ENGINEERING; OPERATION AND MAINTENANCE OF TOWER TESTING AND RESEARCH STATION.

LANGUAGES : TELUGU, TAMIL, KANNADA, HINDI, ENGLISH.

VISITED : U.K., FRANCE, ITALY, BELGIUM, HOLLAND.

PUBLICATIONS & PATENTS : TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, DESIGN - 6, CONSULTANCY - 3, R & D MGMT. - 4, CONSTRUCTION - 2, TEACHING - 1, PLANNING - 0, COMPUTER PROCESSING - 3, TOWER TESTING - 3.

7208

SHRI R JAYARAMAN; (B. SEPTEMBER 12, 1950),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADURAI '72; M.E. STRUCTURAL ENGINEERING - MADRAS '90.

SPECIALIZATIONS : HOUSING; STRUCTURAL MASONRY; PRESTRESSED CONCRETE.

EXPERIENCE : JUNIOR ENGINEER, TAMIL NADU HIGHWAYS AND RURAL WORKS DEPARTMENT, 1972-74; S.S.A., SCIENTIST B AND SCIENTIST C, S.E.R.C. 1974-88; SCIENTIST EI, S.E.R.C. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN PRESTRESSED CONCRETE.

LANGUAGES : TAMIL, HINDI, TELUGU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 14, SCIENTIFIC BOOKS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, DESIGN - 5, CONSULTANCY - 3, R & D MGMT. - 8, CONSTRUCTION - 3, TESTING - 5, QUALITY CONTROL - 5.

7209

SHRI G PAUL JOSEPH; (B. JUNE 23, 1941),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '67; M.SC. STRUCTURAL ENGG. - MADRAS '69.

SPECIALIZATIONS : FERROCEMENT TECHNOLOGY.

EXPERIENCE : ENGINEER, VIJAY CONSTRUCTION CO., BANGALORE, 1969-70; S.R.F. AND ASSOCIATE LECTURER, COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE, 1970-71; S.S.A., SCIENTIST B AND SCIENTIST C, S.E.R.C., 1971-89; (ALSO TRAINING IN PRODUCTION OF PREFABRICATED COMPONENTS FOR INDUSTRIAL BUILDINGS, U S A AND W. GERMANY, 1979); SCIENTIST EI, S.E.R.C. SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D IN FERROCEMENT.

LANGUAGES : TAMIL, ENGLISH.

VISITED : U S A, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, CONSTRUCTION - 1, TESTING - 4, TEACHING - 1, TECHNOLOGY TRANSFER - 13.

7210

SHRI A G KHADAKKAR; (B. JULY 5, 1941),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - NAGPUR '59; B.E. (HONS.) CIVIL - JABALPUR '66; M.TECH. STRUCTURAL ENGINEERING - I.I.T., BOMBAY '68.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; EXPERIMENTAL STRESS ANALYSIS; HOLOGRAPHY & HNDD; COMPUTER AIDED DESIGN AND ANALYSIS OF STRUCTURES.

EXPERIENCE : OVERSEER, P.W.D., MAHARASHTRA, 1959-62; LECTURER, J.L.N. AGRICULTURAL UNIVERSITY, JABALPUR, 1968-74; SCIENTIST B AND SCIENTIST C, S.E.R.C., 1974-85; (ALSO TRAINING IN MODEL INVESTIGATIONS, ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, U S A, 1975-76); SCIENTIST EI, S.E.R.C. SINCE MAY, 1985.

PRESENT ACTIVITIES : R & D IN EXPERIMENTAL STRESS ANALYSIS.

LANGUAGES : MARATHI, HINDI, SANSKRIT, TAMIL, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 18, TECH. REPORTS - 30.

AWARDS & DISTINCTIONS : MEMBER, INSTITUTION OF ENGINEERS (INDIA), 1981.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, DESIGN - 1, CONSULTANCY - 2, TEACHING - 5.

7211

DR N LAKSHMANAN; (B. NOVEMBER 12, 1946),
SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '68; M.TECH. STRUCTURAL ENGINEERING - I.I.T., MADRAS '70; PH.D. STRUCTURAL ENGINEERING - I.I.T., MADRAS '78.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; STRUCTURAL DYNAMICS; MACHINE FOUNDATION; REINFORCED CONCRETE STRUCTURES; BLAST RESISTANT DESIGN.

EXPERIENCE : ASSOCIATE LECTURER, I.I.T., MADRAS 1970-75; SCIENTIST B AND SCIENTIST C, S.E.R.C., 1975-86; (ALSO TRAINING IN STRUCTURAL DYNAMICS AND MACHINE FOUNDATIONS, CANADA, U.K. AND JAPAN, 1980-81); SCIENTIST EI, S.E.R.C. SINCE MAY, 1986.

PRESENT ACTIVITIES : R & D AND INDUSTRIAL CONSULTANCY.

LANGUAGES : TAMIL, HINDI, SANSKRIT, ENGLISH.

VISITED : CANADA, U.K., JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 60, TECH. REPORTS - 40.

AWARDS & DISTINCTIONS : RAILWAY BOARD FIRST PRIZE FOR THE BEST PAPER PUBLISHED IN THE JOURNAL OF THE INSTITUTION OF ENGINEERS, INDIA, 1972-73; COMMENDATION CERTIFICATE FOR A TECHNICAL PAPER PUBLISHED IN THE JOURNAL OF THE INDIAN ROAD CONGRESS, 1976.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 5, APP. RES. - 18, DESIGN - 18, CONSULTANCY - 18, TESTING - 18, TEACHING - 5.

7212

SHRI K MURALIDHARAN; (B. DECEMBER 23, 1950),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : M.E. (HONS.) CIVIL - I.I.S.C., BANGALORE '73; Z.D.A.F. GERMAN LANGUAGE.

SPECIALIZATIONS : STRUCTURAL ENGINEERING.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, S.E.R.C., 1973-87; (ALSO TRAINING AND RESEARCH IN THE FIELD OF TUNNELING, W.GERMANY, 1980-82); SCIENTIST EI, S.E.R.C., MADRAS SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TAMIL, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 30.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17, CONSULTANCY - 14, COMPUTER PROCESSING - 17.

7213

SHRI D S RAMACHANDRA MURTHY; (B. JULY 27, 1947),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '68; M.SC. STRUCTURAL ENGINEERING - MADRAS '70.

SPECIALIZATIONS : PREFABRICATION; HOUSING; PRECAST CONCRETE PRODUCTS; OFFSHORE STRUCTURES.

EXPERIENCE : JUNIOR ENGINEER, TUTICORIN HARBOUR PROJECT, TUTICORIN, 1970-72; S.S.A., SCIENTIST B AND SCIENTIST C, S.E.R.C., 1972-86; (ALSO VISITED SWEDEN, U.K., CZECHOSLOVAKIA AND U S A TO STUDY PREFABRICATION UNDER U.N.D.P. FELLOWSHIP, 1976-77, AND U.N.C.H.S. CONSULTANT AT BUILDING RESEARCH INSTITUTE, JAMAICA, 1986); SCIENTIST EI, S.E.R.C. SINCE JANUARY, 1986.

PRESENT ACTIVITIES : RESEARCH IN FATIGUE BEHAVIOUR OF STEEL OFFSHORE STRUCTURES.

LANGUAGES : KANNADA, TAMIL, HINDI, ENGLISH.

VISITED : SWEDEN, U.K., CZECHOSLOVAKIA, U S A, THAILAND, JAMAICA, KENYA.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 40, SCIENTIFIC BOOKS - 2, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, DESIGN - 17, CONSULTANCY - 15, R & D MGMT. - 15, CONSTRUCTION - 10, TESTING - 15, QUALITY CONTROL - 15, TECHNOLOGY TRANSFER - 10.

7214

SHRI T NARAYANAN; (B. SEPTEMBER 1, 1944),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.SC. CIVIL ENGG. - KERALA '66; M.S. MECHANICS - STATE UNIVERSITY OF NEW YORK, STONY BROOK, U S A '72.

SPECIALIZATIONS : EXPERIMENTAL STRESS ANALYSIS; CIVIL ENGINEERING; NUMERICAL ANALYSIS.

EXPERIENCE : ASSOCIATE LECTURER, S.P. COLLEGE OF ENGINEERING, BOMBAY, 1966-70; TEACHING ASSISTANT, STATE UNIVERSITY OF NEW YORK, STONY BROOK, U S A, 1970-72; POOL OFFICER, SCIENTIST B AND SCIENTIST C, S.E.R.C., 1973-87; SCIENTIST EI, S.E.R.C. SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : RESEARCH IN EXPERIMENTAL STRESS ANALYSIS.

LANGUAGES : MALAYALAM, HINDI, TAMIL, ENGLISH.

VISITED : U S A, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 30.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, TEACHING - 4.

7215

DR S SEETHARAMAN; (B. JULY 19, 1948),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.SC. CIVIL ENGG. - SAMBALPUR '71; M.E. STRUCTURES - I.I.S.C., BANGALORE '73; PH.D. - I.I.T., MADRAS '90.**SPECIALIZATIONS :** COMPUTER AIDED DESIGN AND ANALYSIS OF STRUCTURES; OFFSHORE STRUCTURES; STRUCTURAL DYNAMICS; RANDOM VIBRATION OF STRUCTURES.**EXPERIENCE :** ENGINEER, MYSORE POWER CORPORATION LTD., BANGALORE, 1973-74; S.S.A., SCIENTIST B AND SCIENTIST C, S.E.R.C., 1974-88; SCIENTIST EI, S.E.R.C. SINCE APRIL, 1988.**PRESENT ACTIVITIES :** RESEARCH IN COMPUTER-AIDED ANALYSIS AND DESIGN; SOFTWARE DEVELOPMENT FOR FATIGUE ANALYSIS OF TUBULAR JOINTS IN OFFSHORE STRUCTURES; FATIGUE ANALYSIS OF OFFSHORE STRUCTURES; FRACTURE MECHANICS, ASSESSMENT OF FATIGUE LIFE OF OFFSHORE WELDED TUBULAR JOINTS.**LANGUAGES :** HINDI, TAMIL, MALAYALAM, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 10, TECH. REPORTS - 8.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 12, DESIGN - 3, CONSULTANCY - 1.

7216

SHRI J SHANMUGASUNDARAM; (B. DECEMBER 18, 1945),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '70; M.SC. (ENGG.) STRUCTURAL ENGINEERING - MADURAI '73.**SPECIALIZATIONS :** REINFORCED AND PRESTRESSED CONCRETE STRUCTURES; REINFORCED AND PRESTRESSED CONCRETE PIPES; WIND ENGINEERING.**EXPERIENCE :** SELF EMPLOYED ENGINEER, 1970-71; ENGINEER, ASIA ENGINEERING COMPANY, BANGALORE, 1973; S.S.A., SCIENTIST B AND SCIENTIST C, S.E.R.C. 1974-88; SCIENTIST EI, S.E.R.C. JANUARY 1988.**PRESENT ACTIVITIES :** R & D.**LANGUAGES :** TAMIL, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 24, TECHNICAL REPORTS - 26, ARTICLES - 3, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 1, APP. RES. - 7, DESIGN - 3, CONSULTANCY - 2, CONSTRUCTION - 2, TESTING - 1, R & D MANAGEMENT - 1.

7217

SHRI H G SREENATH; (B. DECEMBER 27, 1944),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.SC. CIVIL ENGG. - RANCHI '67; M.S. CIVIL ENGINEERING - I.I.T., MADRAS '73.**SPECIALIZATIONS :** DESIGN, FABRICATION AND ERECTION OF PRECAST PRESTRESSED COMPONENTS; PRODUCTION OF PREFABRICATED COMPONENTS FOR INDUSTRIAL BUILDINGS; TESTING OF BUILDING COMPONENTS; CORROSION OF REINFORCEMENT IN CONCRETE STRUCTURES.**EXPERIENCE :** S.S.A., SCIENTIST B AND SCIENTIST C, S.E.R.C., 1968-85; (ALSO TRAINING IN PREFABRICATED COMPONENTS FOR INDUSTRIALISED BUILDINGS, U S A, 1975-76); SCIENTIST EI, S.E.R.C. SINCE JANUARY, 1985.**PRESENT ACTIVITIES :** R & D IN CONCRETE PRODUCTS AND FAILURE INVESTIGATION OF STRUCTURES; CORROSION OF REINFORCEMENT IN CONCRETE STRUCTURES.**LANGUAGES :** TAMIL, KANNADA, HINDI, ENGLISH.**VISITED :** U S A, U.S.S.R, TANZANIA.**PUBLICATIONS & PATENTS :** RES. PAPERS - 13, TECH. REPORTS - 14, ARTICLES - 14, CONSULTANCY REPORTS - 28, PATENTS TAKEN - 2.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 7, DESIGN - 3, TECHNICAL DEV. - 3, CONSULTANCY - 2, CONSTRUCTION - 3, TESTING - 2, TECHNOLOGY TRANSFER - 2.

7218

SHRI K R SRIDHARAN; (B. OCTOBER 10, 1949),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.SC. - MADRAS '69; M.SC. MATHEMATICS - MADRAS '72; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '90.**SPECIALIZATIONS :** MATHEMATICS; COMPUTER OPERATIONS; COMPUTER PROGRAMMING; COMPUTER AIDED STRUCTURAL ANALYSIS.**EXPERIENCE :** GRADUATE TRAINEE, S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, S.E.R.C., 1973-88; SCIENTIST C, S.E.R.C., MADRAS SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES :** COMPUTER PROGRAMMING FOR STRUCTURAL APPLICATIONS.**LANGUAGES :** TAMIL, ENGLISH.**PUBLICATIONS & PATENTS :** TECH. REPORTS - 9.**PROFESSIONAL EXPERIENCE(IN YEARS) :** COMPUTER PROCESSING - 15.

7219

SHRI T S THANDAVAMOORTHY; (B. MARCH 14, 1944),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '67; M.SC. ENGG. (HONS.) STRUCTURAL ENGINEERING - MADURAI '74.**SPECIALIZATIONS :** STRUCTURAL ENGINEERING; STRUCTURAL DYNAMICS; COMPUTER SOFTWARE DEVELOPMENT; REINFORCED AND PRESTRESSED CONCRETE; BLAST RESPONSE OF STRUCTURES; FATIGUE OF STRUCTURES.**EXPERIENCE :** JUNIOR EXECUTIVE, GANNON & DUNKERLEY, MADRAS, 1967-68; ASSISTANT ENGINEER, P.W.D., MADRAS, 1968-76; S.S.A., SCIENTIST B AND SCIENTIST C, S.E.R.C., MADRAS, 1976-88; SCIENTIST EI, S.E.R.C. SINCE JANUARY, 1988.

PRESENT ACTIVITIES : RESEARCH IN FATIGUE IN OFF-SHORE STRUCTURES.

LANGUAGES : TAMIL, HINDI, TELUGU, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 35, TECH. REPORTS - 40, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, DESIGN - 23, CONSTRUCTION - 7, TESTING - 14, SURVEY OF NATURAL RESOURCES - 6, ADMN. - 20, COMPUTER PROCESSING - 14.

7220

SHRI S ANNAMALAI; (B. JANUARY 2, 1944),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '66, M.E. STRUCTURAL ENGINEERING - MADRAS '74.

SPECIALIZATIONS : CONSTRUCTION OF BUILDINGS; FABRICATION AND ERECTION OF STEEL AND PREFABRICATED CONCRETE STRUCTURES.

EXPERIENCE : SECTION OFFICER, MANGALORE HARBOUR PROJECTS, MYSORE, 1966-67; ASSISTANT ENGINEER, P.W.D., TAMIL NADU, 1967-76; ASSTT. ENGINEER, TAMILNADU TOURISM DEPARTMENT, 1976-77; S.S.A. AND SCIENTIST B, S.E.R.C., MADRAS, 1977-88; SCIENTIST C, S.E.R.C. SINCE FEBRUARY, 1988. (ALSO STUDIES IN FIELD INVESTIGATION METHODS FOR ASSESSMENT OF DAMAGES AND REMOVAL OF DAMAGED STRUCTURES, E. GERMANY).

PRESENT ACTIVITIES : DESIGN AND RESEARCH.

LANGUAGES : TAMIL, HINDI, ENGLISH.

VISITED : E. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 29.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 2, DESIGN - 3, CONSULTANCY - 1, R & D MGMT. - 1, CONSTRUCTION - 2, TESTING - 1, QUALITY CONTROL - 1, MAINTENANCE - 1, PLANNING - 2, TECHNOLOGY TRANSFER - 1, ADMN. - 2.

7221

SHRI H B ARAVIND; (B. JULY 7, 1956),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '79; M.E. STRUCTURES - I.I.S.C., BANGALORE '81; PH.D. STRUCTURES - I.I.T., MADRAS '90.

SPECIALIZATIONS : STRUCTURAL ANALYSIS; COMPUTER AIDED DESIGN; ARTIFICIAL INTELLIGENCE.

EXPERIENCE : DESIGN ENGINEER, KAREKAR & SUNDARAM, 1981-82; RESEARCH SCHOLAR AND PROJECT ASSOCIATE, I.I.T., MADRAS, 1982-87; SCIENTIST C, S.E.R.C., MADRAS SINCE MARCH, 1987.

PRESENT ACTIVITIES : COMPUTER AIDED DESIGN.

LANGUAGES : TAMIL, KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 7, SCIENTIFIC BOOKS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 7, DESIGN - 5, COMPUTER PROCESSING - 7.

7222

SHRI S ARUNACHALAM; (B. MAY 24, 1957),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - MADRAS '79; M.S. STRUCTURAL ENGINEERING - I.I.T., MADRAS '83.

SPECIALIZATIONS : WIND ENGINEERING; ANALYSIS AND DESIGN OF R.C. STRUCTURES; RELIABILITY CONCEPT IN STRUCTURAL ENGINEERING.

EXPERIENCE : ASSTT. ENGINEER, TWAD BOARD, TRICHY, 1979-80; PROJECT ASSOCIATE AND SR. PROJECT OFFICER, I.I.T., MADRAS, 1980-83; SCIENTIST B, S.E.R.C., MADRAS, 1983-88; (ALSO ADVANCED STUDY AND TRAINING IN THE FIELD OF WIND EFFECTS ON BUILDINGS AND STRUCTURES, BOUNDARY LAYER WIND TUNNEL TESTING ON STRUCTURAL MODELS, WEST GERMANY, 1987-88); SCIENTIST C, S.E.R.C., MADRAS SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D IN WIND ENGINEERING.

LANGUAGES : TELUGU, TAMIL, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 8, DESIGN - 1.

7223

SHRI K BALASUBRAMANIAN; (B. JUNE 2, 1959),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - MADRAS '81; M.E. STRUCTURAL ENGINEERING - ANNA '83.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; REINFORCED CONCRETE; FIBRE REINFORCED CONCRETE; FERROCEMENT TECHNOLOGY.

EXPERIENCE : SCIENTIST B, S.E.R.C., MADRAS, 1983-89; SCIENTIST C, S.E.R.C. MADRAS SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : R & D IN CONCRETE COMPOSITES.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 24.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APP. RES. - 7, CONSULTANCY - 5, TESTING - 7.

7224

SHRI R BHASKARAN; (B. MARCH 15, 1942),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - KERALA '62.

SPECIALIZATIONS : STRUCTURAL DETAILING.

EXPERIENCE : DRAFTSMAN AND SENIOR DRAFTSMAN, EVEREST ENGINEERING WORKS, COIMBATORE, 1962-69; SENIOR STRUCTURAL DRAFTSMAN, SCIENTIST A AND SCIENTIST B, S.E.R.C., MADRAS 1969-86; SCIENTIST C, S.E.R.C., MADRAS SINCE JUNE, 1986.

PRESENT ACTIVITIES : DESIGN AND MAINTENANCE OF DESIGN OFFICE.

LANGUAGES : MALAYALAM, TAMIL, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 21, CONSTN. FABRICATION, ERACTION - 4.

7225

SHRI A CHELLAPPAN; (B. JUNE 24, 1948),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '77; M.E. STRUCTURAL ENGINEERING - ANNA '85.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; DESIGN OF REINFORCED AND PRESTRESSED CONCRETE STRUCTURES; DESIGN OF SHELL STRUCTURES.

EXPERIENCE : D/MAN V.R.D.E., AVADI, MADRAS, 1970-72; S.L.A., S.S.A. AND SCIENTIST B, S.E.R.C., 1972-87; SCIENTIST C, S.E.R.C., MADRAS SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN CONCRETE PRODUCTS, CONSTRUCTION TECHNIQUES, FAILURE INVESTIGATIONS AND STUDIES ON CORROSION OF REINFORCEMENT IN CONCRETE STRUCTURES.

LANGUAGES : TAMIL, HINDI, MALAYALAM, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 23, PATENTS FILED - 2, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9, DESIGN - 2, TECHNICAL DEVELOPMENT - 2, CONSTRUCTION - 5.

7226

DR P C DHANASEKARAN; (B. MARCH 11, 1952),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.SC. - MADURAI '73; M.SC. PHYSICS - I.I.T., MADRAS '75; PH.D. PHYSICS - I.I.T., MADRAS '82.

SPECIALIZATIONS : NUMERICAL ANALYSIS; COMPUTER SOFTWARE DEVELOPMENT.

EXPERIENCE : SCIENTIST A, N.G.R.I., HYDERABAD, 1980-84; SCIENTIST B, S.E.R.C., MADRAS, 1984-85; SCIENTIST C, S.E.R.C., MADRAS SINCE FEBRUARY, 1985.

PRESENT ACTIVITIES : DEVELOPMENT OF SYSTEMS AND GRAPHIC SOFTWARE PACKAGES.

LANGUAGES : TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 4, COMPUTER PROCESSING - 13.

7227

SHRI S GOMATHINAYAGAM; (B. JANUARY 9, 1957),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - MADRAS '79; M.S. STRUCTURAL ENGINEERING - I.I.T., MADRAS '82.

SPECIALIZATIONS : COMPUTER AIDED ANALYSIS AND DESIGN OF STRUCTURES; LINEAR AND NONLINEAR FINITE ELEMENT TECHNIQUES AND GRAPHICS; STOCHASTIC AND RELIABILITY ANALYSIS OF OFFSHORE STRUCTURES; SHIP PROPULSION SHAFT ALIGNMENT SOFTWARE; DYNAMIC RESPONSE OF STRUCTURES OF STEEL AND REINFORCED CONCRETE.

EXPERIENCE : SENIOR MANAGEMENT TRAINEE, BEST & CROMPTON ENGG. LTD., MADRAS, 1993; SCIENTIST B, S.E.R.C., MADRAS, 1983-88; SCIENTIST C, S.E.R.C., MADRAS, SINCE AUGUST, 1988.

PRESENT ACTIVITIES : SOFTWARE DEVELOPMENT FOR DESIGN AND ANALYSIS OF STRUCTURES TO SURVIVE LOADS DUE TO BLAST AND IMPACT (SOFTWARE DEVELOPMENT).

LANGUAGES : TAMIL, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 10, ARTICLES - 2, MONOGRAPHS - 5, SOFTWARE(PRODUCT) DEVELOPED - 2, SOFTWARE(PRODUCT) UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 10, DESIGN - 2, CONSULTANCY - 2, CONSTRUCTION - 1.5, TESTING - 1.5, AUALITY CONTROL - 1.5, TECHNOLOGY TRANSFER - 1, COMPUTER PROCESSING - 10.

7228

SHRI V N GOPALAKRISHNAN; (B. MAY 14, 1944),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.SC. - MADRAS '63; D.M.I.T. ELECTRONICS - M.I.T., MADRAS '68.

SPECIALIZATIONS : ELECTRONIC ENGINEERING; ELECTRONIC INSTRUMENTATION.

EXPERIENCE : J.R.F., M.I.T., MADRAS, 1969-70; JR. SERVICE ENGINEER, TWANDSWEN ELECTRONICS (P) LTD., BANGALORE, 1970-71; S.T.A., SCIENTIST A AND SCIENTIST B, S.E.R.C., MADRAS, 1971-86; SCIENTIST C, S.E.R.C., MADRAS SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : OPERATION & MAINTENANCE.

LANGUAGES : KANNADA, TAMIL, ENGLISH.

VISITED : U.K., DENMARK, U S A

PROFESSIONAL EXPERIENCE(IN YEARS) : OPERATION, TESTING AND MAINTENANCE - (TOTAL 17 YEARS).

7229

MRS CHITRA M HARIHARAN; (B. MAY 13, 1949),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.SC. HOME SCIENCE - BANGALORE '67; B.LIB.SC. - KERALA '69; M.A. ENGLISH - MADURAI KAMARAJ '81; M.LIB.SC. - MADRAS '84.

SPECIALIZATIONS : LIBRARY AND INFORMATION SCIENCE.

EXPERIENCE : J.T.A. AND S.D.A., G.L.R.I., MADRAS, 1975-84; INFORMATION OFFICER (A) AND SCIENTIST B, S.E.R.C., MA-

DRAS, 1984-89; SCIENTIST C, S.E.R.C., MADRAS SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : EDITING, DOCUMENTATION AND COMPUTER PROCESSING.

LANGUAGES : TAMIL, MALAYALAM, KANNADA, HINDI, ENGLISH, FRENCH.

PUBLICATIONS & PATENTS : ARTICLES - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : EDITING - 15, DOCUMENTATION - 17, REPROGRAPHY - 6, COMPUTER PROCESSING - 4, AUDIO-VISUAL PROGRAMME SCRIPTS & COMPERING - 8.

7230

SHRI T S KRISHNAMOORTHY; (B. OCTOBER 20, 1953),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - ANNAMALAI '76; M.E. STRUCTURES - ANNA '84.

SPECIALIZATIONS : REINFORCED CEMENT CONCRETE; FIBRE REINFORCED CONCRETE.

EXPERIENCE : S.S.A. AND SCIENTIST B, S.E.R.C., 1977-86; SCIENTIST C, S.E.R.C., MADRAS SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN STRUCTURAL ENGINEERING.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 20.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 12, DESIGN - 12, CONSULTANCY - 10, TESTING - 12.

7231

SHRI N GOPALA KRISHNAN; (B. MAY 30, 1962),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - ANNA '84; M.TECH. CIVIL ENGINEERING - I.I.T., MADRAS '86.

SPECIALIZATIONS : STRUCTURAL DYNAMICS; CIVIL ENGINEERING.

EXPERIENCE : ENGINEER TRAINEE, TATA CONSULTANCY ENGINEERS, 1986-87; SCIENTIST B, S.E.R.C., MADRAS SINCE APRIL, 1987.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, DESIGN - 2, TESTING - 1.

7232

SHRI S J MOHAN; (B. JANUARY 10, 1953),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '76; M.TECH. STRUCTURAL ENGINEERING - MADRAS '90.

SPECIALIZATIONS : MANAGEMENT INFORMATION SYSTEMS.

EXPERIENCE : S.S.A. AND SCIENTIST B, S.E.R.C., 1982-88; SCIENTIST C, S.E.R.C., MADRAS SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : RESEARCH AND TESTING.

LANGUAGES : TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 3.

7233

SHRI T L MURLIDHARAN; (B. OCTOBER 15, 1961),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '83; M.TECH. CIVIL - I.I.T., BOMBAY '85.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; STEEL STRUCTURES; COMPUTER AIDED DESIGN AND ANALYSIS OF STRUCTURES; ARTIFICIAL INTELLIGENCE.

EXPERIENCE : TECHNICAL OFFICER (A), ELECTRONICS CORPORATION OF INDIA LTD., HYDERABAD, 1985-87; SCIENTIST B, S.E.R.C., MADRAS, 1987-90; SCIENTIST C, S.E.R.C., MADRAS SINCE JULY, 1990.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 5. **PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 3, COMPUTER PROCESSING - 6.

7234

SHRI K MUTHUMANI; (B. APRIL 2, 1955),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. (HONS.) CIVIL - MADRAS '77; M.TECH. ENGINEERING MECHANICS - I.I.T., MADRAS '79.

SPECIALIZATIONS : STRUCTURAL DYNAMICS; STRUCTURAL ANALYSIS.

EXPERIENCE : PROJECT ASSOCIATE, I.I.T., MADRAS, 1979-80; S.S.A. AND SCIENTIST B, S.E.R.C., 1980-86; SCIENTIST C, S.E.R.C. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : RESEARCH IN STRUCTURAL DYNAMICS.

LANGUAGES : TAMIL, ENGLISH.

VISITED : YUGOSLAVIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 8, CONSULTANCY - 1, TESTING - 2, COMPUTER PROCESSING - 2.

7235

SHRI K NARASIMHAN; (B. NOVEMBER 16, 1939),
TECHNICAL OFFICER (C), STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : L.M.E. - MADRAS '61.

SPECIALIZATIONS : MAINTENANCE OF TELECOMMUNICATION EQUIPMENTS.

EXPERIENCE : J.M.A., OVERSEAS COMMUNICATION SERVICE, MADRAS, 1961-65; A.I.D.S., MINISTRY OF LABOUR, BOMBAY, 1965-81; SCIENTIST B, S.E.R.C., MADRAS, 1981-87; TECHNICAL OFFICER (C), S.E.R.C., MADRAS SINCE MAY, 1987.

PRESENT ACTIVITIES : WORKSHOP SUPERVISION.

LANGUAGES : TAMIL, MALAYALAM, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, MAINTENANCE, PRODN., ADMN.; (TOTAL 20: YEARS).

7236

SHRI K NATARAJAN; (B. JUNE 8, 1956),
SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - ANNAMALAI '78; M.S. OFFSHORE ENGINEERING - I.I.T., MADRAS '83.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; IMPACT DYNAMICS; CONCRETE STRUCTURES; SOFTWARE DEVELOPMENT; NUCLEAR POWER PLANT STRUCTURES.

EXPERIENCE : S.S.A. AND SCIENTIST B, S.E.R.C., 1980-86; (ALSO ADVANCED TRAINING UNDER DAAD FELLOWSHIP ON IMPACT & EXPLOSION DYNAMICS, UNIV. OF KARLSRUHE, WEST GERMANY, 1985-87); SCIENTIST C, S.E.R.C. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : IMPACT DYNAMICS ON NUCLEAR POWER PLANTS.

LANGUAGES : TAMIL, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 8, DESIGN - 1.

7237

SHRI M NEELAMGAM; (B. JUNE 4, 1951),
SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - ANNAMALAI '75.

SPECIALIZATIONS : POLYMER CONCRETE COMPOSITES; SUPERPLASTICISED CONCRETE; FIBRE REINFORCED CONCRETE; FERROCEMENT TECHNOLOGY.

EXPERIENCE : JUNIOR ENGINEER, TAMIL NADU GOVERNMENT, 1975-77; S.S.A. AND SCIENTIST B, S.E.R.C. 1977-86; (ALSO TRAINING ON POLYMER CONCRETE AND SUPERPLASTICIZED CONCRETE, JAPAN, CANADA AND U S A, 1981); SCIENTIST C, S.E.R.C. SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D ON CONCRETE COMPOSITE AND DESIGN OF STRUCTURES.

LANGUAGES : TAMIL, ENGLISH.

VISITED : JAPAN, CANADA, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 23, TECH. REPORTS - 15.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APP. RES. - 12, CONSULTANCY - 12, TESTING - 12, QUALITY - CONTROL - 12, MAINTENANCE - 12.

7238

DR N PANDIAN; (B. AUGUST 4, 1953),
SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - ANNAMALAI '76; M.S. CIVIL (STRUCTURES) - MADRAS '79; PH.D. STRUCTURAL ENGINEERING - I.I.T., MADRAS '85.

SPECIALIZATIONS : STRUCTURAL ENGINEERING ANALYSIS; ENGINEERING MATHEMATICS.

EXPERIENCE : PROJECT ASSOCIATE, I.I.T., MADRAS, 1979-81; SCIENTIST B, S.E.R.C., 1983-86; SCIENTIST C, S.E.R.C., MADRAS SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : ANALYSIS & DESIGN OF COOLING TOWERS.

LANGUAGES : TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 6, CONSULTANCY - 1.

7239

MRS JOLLY ANNIE PETER; (B. MARCH 13, 1956),
SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.SC. STRUCTURAL ENGINEERING - CALICUT '79.

SPECIALIZATIONS : POLYMER CONCRETE COMPOSITES; EPOXY CONCRETE; SUPERPLASTICISED CONCRETE; CONCRETE TECHNOLOGY.

EXPERIENCE : S.S.A. AND SCIENTIST B, S.E.R.C., 1980-87; SCIENTIST C, S.E.R.C. SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D IN POLYMER CONCRETE COMPOSITES.

LANGUAGES : MALAYALAM, TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 18.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, DESIGN - 3, CONSULTANCY - 8, APP. RES. - 10.

7240

SHRI G RAGHAVA; (B. JULY 20, 1957),
SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - MYSORE '80; M.TECH. INDUSTRIAL STRUCTURES - MYSORE '84.

SPECIALIZATIONS : FATIGUE IN OFFSHORE STRUCTURES.

EXPERIENCE : LECTURER, SHRI JAYACHAMARAJENDRA COLLEGE OF ENGG., MYSORE, 1980; GAMMON NIRMAN LTD., MANGALORE, 1980-81; TRAINEE, SEMAC PVT. LTD., BANGALORE, 1981; LECTURER, KARNATAKA REGIONAL ENGG. COL-

LEGE, SURATHKAL, 1982-83; SCIENTIST B, S.E.R.C., MADRAS SINCE JUNE, 1983; ALSO GUEST SCIENTIST IN THE TECHNICAL UNIVERSITY BERLIN ON GERMAN ACADEMIC EXCHANGE SERVICE FELLOWSHIP, 1988-90.

PRESENT ACTIVITIES : R & D.

LANGUAGES : HINDI, KANNADA, TAMIL, SANSKRIT, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 4.

AWARDS & DISTINCTIONS : CERTIFICATE OF MERIT FOR A PUBLISHED PAPER, INSTITUTION OF ENGINEERS (INDIA), 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, DESIGN - 7, TESTING - 7.

7241

SHRI N P RAJAMANE; (B. MAY 1, 1950),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - KARNATAK '72; M.TECH. STRUCTURES - I.I.T., MADRAS '90.

SPECIALIZATIONS : POLYMER CONCRETE COMPOSITES; CONCRETE TECHNOLOGY; FERROCEMENT TECHNOLOGY; STRUCTURAL ENGINEERING; SUPERPLASTICISED CONCRETE; MATERIALS AND NONDESTRUCTIVE TESTING; FIBRE COMPOSITES; COMPUTER APPLICATIONS.

EXPERIENCE : SECTION OFFICER, P.W.D., PANAJI, GOA, 1972-73; SCIENTIST B, S.E.R.C., 1973-86; (ALSO TRAINING IN POLYMER CONCRETE COMPOSITES, U S A, 1979-80 AND W. GERMANY, 1980); SCIENTIST C, S.E.R.C., MADRAS SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : KANNADA, TAMIL, MARATHI, HINDI, ENGLISH.

VISITED : U S A, W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 40, PATENTS FILED - 1, PROCESSES DEVELOPED - 7.

AWARDS & DISTINCTIONS : MEMBER, INDIAN CONCRETE INSTITUTE; MEMBER, INSTITUTION OF ENGINEERS (INDIA); FELLOW, SOCIETY FOR ADVANCEMENT OF SCIENCE AND TECHNOLOGY (INDIA).

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 13, DESIGN - 5, CONSULTANCY - 3, TESTING - 5.

7242

MRS SELVI RAJAN; (B. MARCH 23, 1959),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - I.I.T., MADRAS '82.

SPECIALIZATIONS : CORROSION OF REINFORCEMENT; CONCRETE COMPOSITE MATERIALS; ANALYSIS AND DESIGN OF MULTISTOREYED BUILDINGS.

EXPERIENCE : SCIENTIST B, S.E.R.C., MADRAS, 1983-88; SCIENTIST C, S.E.R.C., MADRAS SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 13, ARTICLES - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7.

7243

SHRI K RAMANJANEYULU; (B. JUNE 16, 1959),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7244

SHRI K RAMARAJU; (B. AUGUST 15, 1960),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - NAGARJUNA '82; M.TECH. STRUCTURAL ENGINEERING - I.I.T., KHARAGPUR '84.

SPECIALIZATIONS : COMPUTER AIDED DESIGN AND ANALYSIS OF STRUCTURES; FINITE ELEMENT & BOUNDARY ELEMENT TECHNIQUES FOR ANALYSIS OF STRUCTURES; COMPUTER GRAPHICS.

EXPERIENCE : SCIENTIST B, S.E.R.C., MADRAS, 1984-89; SCIENTIST C, S.E.R.C., MADRAS SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : APPLIED RESEARCH IN SOFTWARE DEVELOPMENT IN STRUCTURAL ANALYSIS.

LANGUAGES : TELUGU, TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 5, MONOGRAPH - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 3, DESIGN - 1, CONSULTANCY - 1.5, TECH. TRANSFER - 1, SOFTWARE DEVELOPMENT - 6.

7245

SHRI A RAMA MOHAN RAO; (B. JULY 1, 1958),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - TIRUPATHI '80; M.E. STRUCTURAL ENGINEERING OSMANIA '86.

SPECIALIZATIONS : STRUCTURAL ENGINEERING.

EXPERIENCE : ASSTT. EXE. ENGINEER, R & B, HYDERABAD, 1981-89; SCIENTIST B, S.E.R.C., MADRAS, 1989-91; SCIENTIST C, S.E.R.C., MADRAS SINCE DECEMBER, 1991.

PRESENT ACTIVITIES : R & D.

7246

DR K BALAJI RAO; (B. JUNE 9, 1960),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY - HYDERABAD '82; M.E. CIVIL ENGINEERING - I.I.S.C., BANGALORE '84; PH.D. STRUCTURES - I.I.S.C., BANGALORE '90.

SPECIALIZATIONS : RISK ANALYSIS OF STRUCTURES; STOCHASTIC MECHANICS; REINFORCED AND PRESTRESSED CONCRETE; FERROCEMENT TECHNOLOGY.

EXPERIENCE : FELLOW, S.E.R.C., MADRAS, 1990; SCIENTIST C, S.E.R.C., MADRAS SINCE SEPTEMBER, 1990.

PRESENT ACTIVITIES : RESEARCH; RISK ANALYSIS OF STRUCTURES (STRUCTURAL SAFETY).

LANGUAGES : MARATHI, HINDI, TELUGU, KANNADA, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 10, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TEACHING - 1, APP. RES. - 9, CONSULTANCY - 1.

7247

DR S V KRISHNAMOHAN RAO; (B. JUNE 16, 1959),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING; M.TECH. STRUCTURAL ENGINEERING - I.I.T., KANPUR '81; PH.D. STRUCTURAL ENGINEERING - CALGARY, CANADA '86.

SPECIALIZATIONS : DESIGN/ANALYSIS OF PRESTRESSED, PARTIALLY PRESTRESSED AND REINFORCED CONCRETE; FINITE ELEMENT ANALYSIS; COMPUTER ANALYSIS OF STRUCTURES.

EXPERIENCE : ASSTT. EXECUTIVE ENGINEER, MINISTRY OF SHIPPING & TRANSPORT, 1982; GRADUATE TEACHING ASSTT., UNIV. OF CALGARY, CANADA, 1982-86; CSIR FELLOW, S.E.R.C., MADRAS, 1987-88; SCIENTIST C, S.E.R.C., MADRAS SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : NON-LINEAR CONSTITUTIVE MODELLING AND INELASTIC ANALYSIS OF REINFORCED CONCRETE PLATE/SHELL STRUCTURES.

LANGUAGES : TELUGU, TAMIL, HINDI, ENGLISH.

VISITED : CANADA.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 8, ARTICLES - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 4, TEACHING - 3, ADMN. - 2.

7248

SHRI C C RAVINDRAN; (B. NOVEMBER 17, 1942),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.A. - MEERUT '73; M.A. ECONOMICS - HIMACHAL PRADESH '75; DIPLOMA JOURNALISM - BHARTIYA VIDYA BHAVAN '82; DIPLOMA ADVANCED MANAGEMENT (EKS) - BARODA PRODUCTIVITY COUNCIL '88.

SPECIALIZATIONS : INFORMATION DISSEMINATION; PUBLIC RELATIONS; LIASON, PRINTING AND PUBLICATION; DATA PROCESSING; INFORMATION MANAGEMENT.

EXPERIENCE : J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, S.E.R.C., MADRAS, 1973-88; SCIENTIST C, S.E.R.C., MADRAS SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : INFORMATION DISSEMINATION; EDITING; PRINTING AND PUBLICATION; LIASON AND PUBLIC RELATIONS; DATA PROCESSING REPROGRAPHY.

LANGUAGES : MALAYALAM, HINDI, TAMIL, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : PLANNING - 5, TECHNOLOGY TRANSFER - 5, SALES MARKETING - 5, EDITING - 7, DOCUMENTATION - 3, REPROGRAPHY - 10, LIASON/EXTENSION - 10.

7249

SHRI T SAMBANDAM; (B. MARCH 28, 1943),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS, (INDIA) '70; M.TECH. STRUCTURAL ENGINEERING - MYSORE '76.

SPECIALIZATIONS : EXPERIMENTAL STRESS ANALYSIS; COMPUTER PROGRAMMING; MANAGEMENT SCIENCE.

EXPERIENCE : WORK ASSISTANT, P.W.D., MADRAS, 1963-64; DRAUGHTSMAN, CENTRAL DESIGNS ORGANISATION, MANGALORE AND TUTICORIN HARBOUR PROJECTS, 1964-65; JUNIOR INSTRUCTOR, J.T.A. AND SENIOR INSTRUCTOR, DIRECTORATE OF TECHNICAL EDUCATION, MADRAS, 1965-77; S.S.A. AND SCIENTIST B, S.E.R.C., 1977-86; SCIENTIST C, S.E.R.C., MADRAS SINCE JANUARY, 1986.

PRESENT ACTIVITIES : PLANNING, MONITORING AND EVALUATION OF R & D PROJECTS.

LANGUAGES : TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 11.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 3, DESIGN - 2, R & D MGMT. - 8, CONSTRUCTION - 1, TEACHING - 11, PLANNING - 8, ADMINISTRATION - 5, COMPUTER PROCESSING - 8.

7250

SHRI K RAVI SANKAR; (B. APRIL 11, 1954),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - MADRAS '76; M.E. STRUCTURAL ENGINEERING - MADRAS '78.

SPECIALIZATIONS : EXPERIMENTAL MECHANICS; NUMERICAL METHODS AND COMPUTER.

EXPERIENCE : S.R.F., S.S.A. AND SCIENTIST B, S.E.R.C., MADRAS, 1980-86; SCIENTIST C, S.E.R.C., MADRAS SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : EXPERIMENTAL MECHANICS APPLIED TO STRUCTURAL ENGINEERING PROBLEMS.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 30.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11.

7251

SHRI S SANKAR; (B. JANUARY 7, 1957),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. ELECTRONICS & COMMUNICATION ENGINEERING - MADRAS '79.**SPECIALIZATIONS** : ELECTRONIC INSTRUMENTATION; SERVICE AND MAINTENANCE OF ELECTRONIC EQUIPMENTS.**EXPERIENCE** : SCIENTIST B, S.E.R.C., MADRAS, 1983-89; SCIENTIST C, S.E.R.C., MADRAS SINCE MARCH, 1989.**PRESENT ACTIVITIES** : SERVICE AND MAINTENANCE OF ELECTRONIC INSTRUMENTS.**LANGUAGES** : TAMIL, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : DESIGN - 1, TECHNICAL DEV. - 1, OPERATION - 1, TESTING - 2, MAINTENANCE - 2.

7252

SHRI B SIVARAMA SARMA; (B. AUGUST 15, 1959),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.TECH. CIVIL - SRI VENKATESWARA '80; M.S. STRUCTURAL ENGINEERING - I.I.T., MADRAS '85.**SPECIALIZATIONS** : STRUCTURAL ENGINEERING; DYNAMICS OF MACHINE FOUNDATIONS; COMPUTER ANALYSIS OF STRUCTURES.**EXPERIENCE** : PROJECT ASSOCIATE, I.I.T., MADRAS, 1981-84; SCIENTIST B, S.E.R.C., MADRAS, 1984-88; (ALSO ADVANCED TRAINING IN SEISMIC DESIGN AND CONSTRUCTION OF CONCRETE STRUCTURES, YUGOSLAVIA, 1986); SCIENTIST C, S.E.R.C., MADRAS SINCE AUGUST, 1988.**PRESENT ACTIVITIES** : R & D IN DYNAMICS OF STRUCTURES.**LANGUAGES** : TELUGU, HINDI, TAMIL, ENGLISH, GERMAN.**PUBLICATIONS & PATENTS** : RES. PAPERS - 13, TECH. REPORTS - 17, HAND BOOKS - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 4, APP. RS. - 9, DESIGN - 9, CONSULTANCY - 9, CONSTRUCTION - 2, TESTING - 4.

7253

SHRI T L SETHURAMAN; (B. OCTOBER 20, 1936),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - MADRAS '59.**SPECIALIZATIONS** : ERECTION, MAINTENANCE AND OPERATION OF BUILDING CONSTRUCTION EQUIPMENTS; INSTALLATION OF MACHINES.**EXPERIENCE** : CRANE FOREMAN, SCIENTIST A AND SCIENTIST B, S.E.R.C., MADRAS, 1968-86; SCIENTIST C, S.E.R.C., MADRAS SINCE JANUARY, 1986.**PRESENT ACTIVITIES** : MAINTENANCE AND OPERATION OF DIESEL ENGINE MOUNTED GENERATORS AND ERECTION OF CONCRETE AND STEEL STRUCTURES; ERECTION OF LOADING FRAMES AND ACTIVATOR ASSEMBLY FOR CONDUCTING FATIGUE TEST SPECIMEN; ATTENDING TO THE WORKS CONNECTED WITH THE SPONSORED PROJECT ON INVESTIGATION OF TISCON (TMT) REINFORCEABLE BARS; MAINTENANCE OF AUTOMOBILE VEHICLES AND ELECTRONIC QUALITY WALL CLOCKS IN THE OFFICE.**LANGUAGES** : TAMIL, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS)** : CONSTN. - 3, OPERATION - 2, MAINTENANCE - 16.

7254

SHRI P SIVAKUMAR; (B. MAY 25, 1957),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - MADURAI KAMARAJ '79; M.E. STRUCTURAL ENGINEERING - ANNA '82.**SPECIALIZATIONS** : COMPUTER SOFTWARE FOR STRUCTURAL ENGINEERING; ANALYSIS OF STRUCTURES & DESIGN; DYNAMICS OF STRUCTURES; NUMERICAL METHODS; EXPERT SYSTEMS.**EXPERIENCE** : DESIGN ENGINEER, SOUTH EAST CONSTRUCTION, 1979-84; SCIENTIST B, S.E.R.C., MADRAS, 1984-89; SCIENTIST C, S.E.R.C., MADRAS SINCE MARCH, 1989.**PRESENT ACTIVITIES** : COMPUTER PROCESSING.**LANGUAGES** : TAMIL, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPER - 5, TECH. REPORTS - 17.**PROFESSIONAL EXPERIENCE(IN YEARS)** : DESIGN - 4, COMPUTER PROCESSING - 7.

7255

SHRI N SRIDHARAN; (B. OCTOBER 10, 1949),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7256

SHRI P K UMESHA; (B. JUNE 12, 1958),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - MYSORE '80; M.TECH. STRUCTURAL ENGINEERING - I.I.T., MADRAS '82.**SPECIALIZATIONS** : STRUCTURAL ENGINEERING; INTERACTIVE COMPUTER GRAPHICS; COMPUTER AIDED DESIGN.**EXPERIENCE** : PROJECT ASSOCIATE, I.I.T., MADRAS, 1982-84; SCIENTIST B, S.E.R.C., MADRAS, 1984-88; SCIENTIST C, S.E.R.C., MADRAS SINCE AUGUST, 1988.**PRESENT ACTIVITIES** : RESEARCH**LANGUAGES** : KANNADA, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : TECH. REPORTS - 15.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 5, DESIGN - 2.

7257**SHRI S VENKATACHARI; (B. MAY 1, 1944),**

ASSISTANT EXECUTIVE ENGINEER (C), STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : DIPLOMA CIVIL ENGINEERING - TECHNICAL BOARD, MADRAS '66.**SPECIALIZATIONS :** CIVIL CONSTRUCTION.**EXPERIENCE :** INSPECTOR OF WORKS, HIGHWAYS DEPARTMENT, MADRAS, 1966-68; SITE ENGINEER, SWISS CO-LABORATION, INDIA, 1968-69; JUNIOR ENGINEER (CIVIL), S.E.R.C., MADRAS, 1969-82; ASSTT. EXE. ENGINEER, S.E.R.C., MADRAS SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES :** CIVIL WORKS.**7258****SHRI S R ANIL; (B. MAY 30, 1965),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7259**SHRI S SAI BABU; (B. JULY 27, 1961),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGG. - ÖSMANIA '83; M.TECH. ENGG. STRUCTURES - KAKATIYA '88.**SPECIALIZATIONS :** REINFORCED CONCRETE; PRESTRESSED CONCRETE STRUCTURES.**EXPERIENCE :** SCIENTIST B, S.E.R.C., MADRAS SINCE NOVEMBER, 1989.**PRESENT ACTIVITIES :** RESEARCH IN PRESTRESSED CONCRETE AND SOFTWARE DEVELOPMENT.**LANGUAGES :** TELUGU, HINDI, TAMIL, ENGLISH.**PUBLICATIONS & PATENTS :** PATENTS FILED CURRENTLY - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 1, SOFTWARE DEVELOPMENT - 2.**7260****SHRI N G BHAGHAVAN; (B. JUNE 1, 1961),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7261**SHRI H BHAJANTRI BHARATKUMAR; (B. JANUARY 13, 1964),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - BANGALORE '87; M.TECH. MARINE STRUCTURES - MANĠALORE '89.**SPECIALIZATIONS :** FIBRE REINFORCED CONCRETE; MARINE STRUCTURES.**EXPERIENCE :** ASSISTANT LECTURER, K R E C, SURATHKAL, 1989; PROJECT ASSOCIATE, I.I.T., MADRAS, 1989-90; SCIENTIST B, S.E.R.C. SINCE OCTOBER, 1990.**PRESENT ACTIVITIES :** R & D IN CONCRETE COMPOSITES.**LANGUAGES :** HINDI, KANNADA, GUJARATI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 12, TECH. REPORTS - 5.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. 1 - APP. RES. - 3, TEACHING - 1, TESTING - 1.**7262****SHRI J K DATTATREYA; (B. AUGUST 22, 1961),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7263**SHRI K DILLI; (B. SEP. 28, 1959),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : D.M.E. (MECH) AUTOMOBILE TECHNOLOGY - BOARD OF TECHNICAL EDUCATION TAMIL NADU '80; B.E. MECHANICAL - ANNA '88.**SPECIALIZATIONS :** AUTOMOBILE TECHNOLOGY; PLANT MAINTENANCE; UNCONVENTIONAL MACHINING PROCESS AND MANAGEMENT.**EXPERIENCE :** D'MAN GR. III, D'MAN GR. II AND D'MAN GR. I, C.V.R.D.E., AVADI, MADRAS, 1981-91; SCIENTIST B, S.E.R.C., MADRAS SINCE AUGUST, 1991.**PRESENT ACTIVITIES :** TESTING OF TRANSMISSION MICROWAVE TOWERS.**7264****SHRI O ELAMVAZHUTHI; (B. APRIL 4, 1968),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7265**SHRI T V GANAPATHY; (B. DECEMBER 23, 1939),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : INTERMEDIATE IN ARTS & SCIENCE - MADRAS '57.**SPECIALIZATIONS :** TESTING; TECHNOLOGY TRANSFER.**EXPERIENCE :** J.L.A., S.L.A., J.T.A. AND S.S.A., R.R.L., JORHAT, 1964-81; INFORMATION OFFICER (A), S.E.R.C., MADRAS, 1981-88; SCIENTIST B, S.E.R.C., MADRAS SINCE MARCH, 1988.**PRESENT ACTIVITIES :** TECHNOLOGY TRANSFER.**LANGUAGES :** TAMIL, HINDI, MALAYALAM, ASSAMESE, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** TESTING - 18, TECHNOLOGY TRANSFER - 6.

7266**SHRI P GANDHI; (B. AUGUST 10, 1961),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - ANDHRA '84; M.SC. (ENGG.) STRUCTURES - SAMBALPUR '86.**SPECIALIZATIONS :** FATIGUE IN OFFSHORE STRUCTURES; STRUCTURAL ANALYSIS.**EXPERIENCE :** SCIENTIST B, S.E.R.C., MADRAS SINCE DECEMBER, 1987.**PRESENT ACTIVITIES :** RESEARCH IN OFFSHORE STRUCTURES.**LANGUAGES :** TELUGU, HINDI, TAMIL, ENGLISH.**PUBLICATIONS & PATENTS :** TECH. REPORTS - 4, PUBLICATIONS - 1, TESTING - 2.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 2, CONSTRUCTION - 1,**7267****MRS SANTHI GANGADAR; (B. MAY 27, 1967),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - MADRAS '89.**SPECIALIZATIONS :** CIVIL ENGINEERING; STRUCTURAL ENGINEERING.**EXPERIENCE :** SCIENTIST B, S.E.R.C., MADRAS SINCE NOVEMBER, 1989.**PRESENT ACTIVITIES :** STRUCTURAL ENGINEERING.**LANGUAGES :** TAMIL, KANNADA, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 1, APP. RES. - 1, DESIGN - 1.**7268****SHRI TIMMAPPA HEGDE; (B. JULY 20, 1966),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7269**SHRI S ARUL JAYACHANDRAN; (B. JANUARY 13, 1961),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7270**SHRI V KRISHNAMURTHY; (B. JANUARY 13, 1937),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.A. MATHEMATICS - MADRAS '60.**SPECIALIZATIONS :** COMPUTER PROCESSING.**EXPERIENCE :** S.L.A., J.S.A., S.S.A. AND TECHNICAL OFFICER A, S.E.R.C., MADRAS, 1967-88; SCIENTIST B, S.E.R.C., MADRAS SINCE MARCH, 1988.**PRESENT ACTIVITIES :** COMPUTER PROCESSING.**LANGUAGES :** TAMIL, HINDI, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** COMPUTER PROCESSING - 15.**7271****SHRI K SATHISH KUMAR; (B. SEPTEMBER 1, 1966),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - BHARATHIAR '87; M.E. STRUCTURAL ENGINEERING - BHARATHIAR '89.**SPECIALIZATIONS :** STRUCTURAL ENGINEERING; STRUCTURAL DYNAMICS.**EXPERIENCE :** SCIENTIST B, S.E.R.C. SINCE OCTOBER, 1989.**PRESENT ACTIVITIES :** R & D IN STRUCTURAL DYNAMICS.**LANGUAGES :** TAMIL, ENGLISH.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES - 1.**7272****SHRI M LUQMAN; (B. MAY 25, 1965),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.TECH. CIVIL ENGG. - KERALA '87; M.TECH. STRUCTURAL ENGG. - MADRAS '89.**SPECIALIZATIONS :** STRUCTURAL DYNAMICS AND MACHINE FOUNDATIONS; STRUCTURAL ANALYSIS; SOFTWARE DEVELOPMENT; FINITE ELEMENT ANALYSIS; ANALYSIS AND DESIGN OF CIVIL ENGINEERING STRUCTURES.**EXPERIENCE :** SCIENTIST B, S.E.R.C., MADRAS SINCE JUNE, 1989.**PRESENT ACTIVITIES :** DYNAMIC ANALYSIS OF TURBO GENERATOR FOUNDATIONS, STRUCTURES DYNAMICS & MACHINE FOUNDATION.**LANGUAGES :** MALAYALAM, TAMIL, HINDI, ENGLISH, ARABIC.**PUBLICATIONS & PATENTS :** RES. PAPERS - 1, TECH. REPORTS - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP.RES. - 2.**7273****SHRI C K MADHESWARAN; (B. MAY 1, 1965),**

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '86; M.TECH. OCEAN ENGG. - I.I.T., MADRAS '89.**SPECIALIZATIONS :** DYNAMIC ANALYSIS OF OFFSHORE STRUCTURES.

374

EXPERIENCE : INSTRUCTOR, GOVT. POLYTECHNIC UDAGAMUND, TAMIL NADU, 1987; SCIENTIST B, S.E.R.C., MADRAS SINCE MAY, 1987.

PRESENT ACTIVITIES : COMPUTER-AIDED ANALYSIS AND DESIGN OF STRUCTURES TO SURVIVE SHOCKS, LOADS DUE TO IMPACT AND BLAST.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TEACHING - 1, APP. RES. - 2.

7274

SHRI N KRISHNA NAIK; (B. JULY 1, 1964),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7275

SHRI H Y OKE; (B. MARCH 6, 1960),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - NAGPUR '82; M.TECH. STRUCTURAL ENGINEERING - I.I.T., KHARAGPUR '84.

SPECIALIZATIONS : STRUCTURES.

EXPERIENCE : SCIENTIST B, S.E.R.C., MADRAS SINCE OCTOBER, 1987.

PRESENT ACTIVITIES : COMPUTER-AIDED DESIGN.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3.

7276

SHRI G S PALANI; (B. JUNE 10, 1964),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - BHARATHIAR '86; M.E. STRUCTURES - BHARATHIAR '88.

SPECIALIZATIONS : DYNAMIC ANALYSIS OF STRUCTURES USING FINITE ELEMENT METHOD.

EXPERIENCE : CSIR FELLOW, S.E.R.C., MADRAS, 1988-89; SCIENTIST B, S.E.R.C., MADRAS SINCE APRIL, 1989.

PRESENT ACTIVITIES : RESEARCH.

7277

SHRI S PERUMAL; (B. MAY 7, 1941),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : D.C.E. CIVIL ENGINEERING - MADRAS '69; B.E. CIVIL ENGINEERING - MADRAS '81; M.E. STRUCTURES - ANNA '86.

SPECIALIZATIONS : STRUCTURAL ENGINEERING.

EXPERIENCE : J.L.A., S.L.A. AND S.T.A., S.E.R.C., MADRAS, 1971-86; SCIENTIST B, S.E.R.C., MADRAS SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : CORROSION MONITORING.

LANGUAGES : TAMIL, ENGLISH, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, CONSTRUCTION - 19.

7278

SHRI M MANJU PRASAD; (B. MAY 8, 1963),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MYSORE '85; M.E. STRUCTURAL ENGINEERING - BANGALORE '88.

SPECIALIZATIONS : COMPUTER AIDED STRUCTURAL ANALYSIS AND DESIGN; COMPUTER SOFTWARE DEVELOPMENT; STRUCTURAL DYNAMICS.

EXPERIENCE : ENGINEER, MYSORE CONSTRUCTION CO., BANGALORE, 1985-86; LECTURER, R.V. COLLEGE OF ENGINEERING, BANGALORE, 1988-89; SCIENTIST B, S.E.R.C., MADRAS SINCE MARCH, 1989.

PRESENT ACTIVITIES : COMPUTER-AIDED ANALYSIS AND DESIGN OF STRUCTURES; COMPUTER SOFTWARE DEVELOPMENT; EXPERT SYSTEMS.

LANGUAGES : KANNADA, HINDI, TELUGU, TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 1, TEACHING - 1.

7279

SHRI M D RAGHUNATHAN; (B. MAY 20, 1964),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. (CIVIL STRUCTURE) - MYSORE '87; M.TECH. INDUSTRIAL STRUCTURES - MANGALORE '90.

SPECIALIZATIONS : INDUSTRIAL STRUCTURES.

EXPERIENCE : SCIENTIST B, S.E.R.C., MADRAS SINCE NOVEMBER, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH.

7280

SHRI D MUTHIA RAJ; (B. APRIL 24, 1955),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.E. CIVIL - MADRAS '78; M.TECH. STRUCTURAL ENGINEERING - MANGALORE '85.

SPECIALIZATIONS : EXPERIMENTAL MECHANICS; COMPUTER AIDED DESIGN AND ANALYSIS OF STRUCTURES; FINITE ELEMENT ANALYSIS.

EXPERIENCE : TRAINEE, TAMILNADU P.W.D., 1978-79; ASSTT. ENGINEER, TWAD, TIRUCHI, 1979-83; PH.D. SCHOLAR, I.I.T., MADRAS, 1985-87; SCIENTIST B, S.E.R.C., MADRAS SINCE AUGUST, 1987.

PRESENT ACTIVITIES : COMPUTER-AIDED ANALYSIS AND EXPERIMENTAL STRESS ANALYSIS.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS): BASIC RES. - 1, APP. RES. - 2, DESIGN - 2, CONSULTANCY - 2, PLANNING - 1, COMPUTER PROCESSING - 1, CONSTRUCTION - 2, CONSTRUCTION - 2.

7281

SHRI R S RAJAGOPALA; (B. JUNE 12, 1962),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7282

SHRI J RAJASANKAR; (B. JUNE 5, 1965),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS: B.E. CIVIL -BHARATHIAR '86; M.TECH. CIVIL - I.I.T., KANPUR '88.

SPECIALIZATIONS: STRUCTURAL DYNAMICS; FINITE ELEMENT ANALYSIS; MODELLING OF STRUCTURES USING COMPUTER GRAPHICS.

EXPERIENCE: SCIENTIST B, S.E.R.C., MADRAS SINCE JANUARY, 1989.

PRESENT ACTIVITIES: DYNAMICS ANALYSIS OF SHIP STRUCTURES.

LANGUAGES: TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS: RES. PAPERS - 2, TECH. REPORTS - 2.

7283

SHRI P RATHINAM; (B. APRIL 21, 1966),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS: B.E. CIVIL ENGINEERING - BHARATHIAR '89.

SPECIALIZATIONS: CIVIL ENGINEERING.

EXPERIENCE: SCIENTIST B, S.E.R.C., MADRAS SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES: APPLIED RESEARCH IN STRESS ANALYSIS.

LANGUAGES: TAMIL, ENGLISH.

7284

SHRI R RAVICHANDRAN; (B. JUNE 11, 1957),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS: M.SC. MATHEMATICS - MADRAS '81.

SPECIALIZATIONS: COMPUTER SOFTWARE DEVELOPMENT; COMPUTER AIDED DESIGN.

EXPERIENCE: J.L.A. AND J.T.A., S.E.R.C., MADRAS, 1982-86; SCIENTIST B, S.E.R.C., MADRAS SINCE OCTOBER, 1986.

PRESENT ACTIVITIES: COMPUTER-AIDED DESIGN.

LANGUAGES: TAMIL, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS): COMPUTER PROCESSING - 9.

7285

SHRI V SRINIVAS RAVIKUMAR; (B. SEPTEMBER 8, 1965),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS: B.TECH. CIVIL ENGINEERING - TIRUPATI '87; M.E. STRUCTURAL ENGG. - BHARATHIAR '89.

SPECIALIZATIONS: STRUCTURAL ENGINEERING; COMPUTER APPLICATION IN CIVIL ENGINEERING; COMPUTER AIDED DESIGN AND ANALYSIS OF STRUCTURES.

EXPERIENCE: LECTURER IN CIVIL ENGG., G.P.R. ENGG. COLLEGE, KURNOOL, 1989-90; SCIENTIST B, S.E.R.C. GAZIABAD, 1990; SCIENTIST B, S.E.R.C., MADRAS SINCE DECEMBER, 1990.

PRESENT ACTIVITIES: R & D IN STRUCTURAL ENGINEERING.

7286

SHRI D S SREEDHAR; (B. DECEMBER 16, 1962),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS: B.E. CIVIL ENGINEERING - MYSORE '84; M.TECH. INDUSTRIAL STRUCTURES - MYSORE '87.

SPECIALIZATIONS: COMPOSITE MATERIALS; FINITE ELEMENT ANALYSIS; FRACTURE MECHANICS.

EXPERIENCE: PROJECT ASST., I.I.S.C., BANGALORE, 1987-88; SCIENTIST B, S.E.R.C., MADRAS SINCE JUNE, 1988.

PRESENT ACTIVITIES: DEVELOPMENT OF FATIGUE PREDICTION MODELS USING FRACTURE MECHANICS.

LANGUAGES: TELUGU, KANNADA, HINDI, TAMIL, ENGLISH.

PUBLICATIONS & PATENTS: TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS): APP. RES. - 3.

7287

SHRI P SRINIVASAN; (B. JUNE 4, 1963),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS: B.E. CIVIL - ANNA '84; M.E. STRUCTURAL ENGINEERING - ANNA '87;

SPECIALIZATIONS: STRUCTURAL ENGINEERING.

EXPERIENCE: ASSISTANT ENGINEER, TWAD BOARD, 1985-91; SCIENTIST B, S.E.R.C., MADRAS SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES: R & D IN STRUCTURAL ENGINEERING.

7288

SHRI K VASUDEVAN; (B. MARCH 5, 1956),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS: B.COM. - MADRAS '76; B.G.L. GENERAL LAW - MADURAI KAMARAJ '81; A.I.C.W.A. - I.C.W.A.I. '81; A.C.S. - I.C.S.I. '85; M.COM. - MADURAI KAMARAJ '88.

SPECIALIZATIONS : COSTING AND BUDGETING; PLANNING, MONITORING AND EVALUATION; CORPORATE SECRETARYSHIP.

EXPERIENCE : ACCOUNTS APPRENTICE, NATIONAL CARBON CO., MADRAS, 1976-77; CLERK, SYNDICATE BANK, 1978-79; AUDITOR, A.G.S. OFFICE, TAMILNADU, 1979-82; COST ACCOUNTANT, S.E.R.C., MADRAS, 1982-84; SCIENTIST B, S.E.R.C., MADRAS SINCE SEPTEMBER, 1984.

PRESENT ACTIVITIES : PLANNING, MONITORING AND EVALUATION; R & D MANAGEMENT.

LANGUAGES : TAMIL, SANSKRIT, HINDI.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MANAGEMENT - 7, PLANNING - 7.

7289

SHRI V VIMALANADAM; (B. JULY 1, 1945),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : D.C.E. CIVIL ENGINEERING - TAMILNADU '66; B.E. CIVIL ENGINEERING - ANNA '83.

SPECIALIZATIONS : STRUCTURAL TESTING; PRESTRESSED CONCRETE.

EXPERIENCE : ENGINEERING ASSTT., ELECTRICITY BOARD, TAMILNADU, 1967-69; TECHNICAL ASSTT., P.W.D., TAMILNADU, 1970-74; S.L.A., J.T.A. AND S.T.A., S.E.R.C., MADRAS, 1974-86; SCIENTIST B, S.E.R.C. MADRAS SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TELUGU, TAMIL, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 8, OPERATION - 13, TESTING - 13, MAINTENANCE - 13.

7290

SHRI K. Z. ZACHARIAH; (B. SEPTEMBER 26, 1958),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

7291

SHRI K GUNASEKARAN; (B. APRIL 20, 1960),

TECHNICAL OFFICER (A), STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : B.SC. STATISTICS - MADRAS '81; CERTIFICATE COURSE IN COMPUTER PROGRAMMING - ANNAMALAI '82; M.SC. STATISTICS - ANNAMALAI '83.

SPECIALIZATIONS : STATISTICS; ECONOMETRICS; OPERATIONS RESEARCH; COMPUTER PROGRAMMING; DESK TOP PUBLISHING.

EXPERIENCE : SENIOR TECHNICAL ASSISTANT, S.E.R.C., MADRAS, 1984-89; TECHNICAL OFFICER A, S.E.R.C., MADRAS SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : R & D MANAGEMENT.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : PLANNING - 3, COMPUTER PROCESSING - 2, R & D MANAGEMENT - 3.

7292

SHRI E NALINI KUMAR; (B. JANUARY 20, 1954),

ART OFFICER (A), STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

QUALIFICATIONS : DIPLOMA APPLIED ART, AND COMMERCIAL ART, - J.N.T.U. HYDERABAD '78.

EXPERIENCE : ARTIST, SR. ARTIST AND ART OFFICER, S.E.R.C., MADRAS, 1980-90; ART OFFICER A, S.E.R.C., MADRAS SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : PUBLICITY WORKS.

LANGUAGES : TELUGU, TAMIL, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DOCUMENTATION, DESIGN, REPROGRAPHY - (TOTAL 12 YEARS).

7293

SHRI DEBI PRASAD SANDHA; (B. MAY 3, 1957),

SCIENTIST A, STRUCTURAL ENGINEERING RESEARCH CENTRE, MADRAS.

**Structural Engineering Research
Centre, Ghaziabad**

7294

DR D N TRIKHA; (B. SEPTEMBER 17, 1938),

DIRECTOR, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.SC.(ENGG) CIVIL ENGINEERING - PANJAB '59; M.E. STRUCTURAL ENGINEERING - ROORKEE '62; D.I.C. CONCRETE STRUCTURES - IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY, LONDON '71; PH.D. CIVIL ENGINEERING - LONDON UNIVERSITY '71.**SPECIALIZATIONS** : CIVIL ENGINEERING; STRUCTURAL ENGINEERING; COMPUTER/NUMERICAL METHODS; CONCRETE STRUCTURES IN LINEAR & NON - LINEAR RANGES.**EXPERIENCE** : ASSISTANT PROFESSOR, THAPAR ENGINEERING COLLEGE, PATIALA, 1959-60; SENIOR FELLOWSHIP (TECHNICAL TEACHERS TRAINING PROGRAMME), UNIVERSITY OF ROORKEE, ROORKEE, 1960-63; LECTURER, READER, PROFESSOR AND HEAD, DEPTT OF CIVIL ENGINEERING, UNIVERSITY OF ROORKEE, ROORKEE, 1963-91; COMMONWEALTH FELLOWSHIP, IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY, LONDON, 1967-71; VISITING PROFESSOR, ASIAN INSTITUTE OF TECHNOLOGY, BANGKOK, THAILAND, 1984-86; VISITING PROFESSOR, MILITARY TECHNICAL COLLEGE, BAGHDAD, IRAQ, 1985-88; DIRECTOR, S.E.R.C., GHAZIABAD SINCE OCTOBER, 1991. **PRESENT ACTIVITIES**: R & D MANAGEMENT; ADMINISTRATION; BASIC & APPLIED RESEARCH; CONSULTANCY.**VISITED** : U.K., BELGIUM, HOLLAND, GERMANY, SWITZERLAND, FRANCE, NEPAL, THAILAND, IRAQ, INDONESIA, SINGAPORE, U S A, MALAYSIA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 80, TECH. REPORTS - 20, SCIENTIFIC BOOKS - 1.**AWARDS & DISTINCTIONS** : FELLOW, INSTITUTION OF ENGINEERS (INDIA); MEMBER AMERICAN CONCRETE INSTITUTE; MEMBER, INTERNATIONAL CO-ORDINATION COMMITTEE ON FERROCEMENT; FOUNDING MEMBER, INTERNATIONAL SOCIETY OF FERROCEMENT; MEMBER, EXPERT COMMITTEE, MINISTRY OF RAILWAYS FOR INVESTIGATION OF DISTRESS IN PRESTRESSED CONCRETE BRIDGES; CHAIRMAN, CBRI COMMITTEE ON PRECAST ROOFING SYSTEMS; MEMBER, TECHNOLOGY DEVELOPMENT & APPLICATION GROUP ON HOUSING, DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVT OF INDIA; BIS MEMBER OF PANEL ON HIGH RISE BUILDINGS AND STRUCTURAL ENGINEERING.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 30, APP. RES. - 30, TEACHING - 32, DESIGN - 30, TESTING - 30, CONSULTANCY - 34, R & D MANAGEMENT - 4, ADMN. - 4.

7295

DR M G TAMHANKAR; (B. OCTOBER 28, 1936),

SCIENTIST G, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - POONA '58; M.E. STRUCTURAL ENGINEERING - ROORKEE '64; DR. ING. STRUCTURAL ENGINEERING - UNIVERSITY OF STUTTGART, W.GERMANY '69.**SPECIALIZATIONS** : ANALYSIS AND DESIGN OF STRUCTURES(BRIDGES); R & D MANAGEMENT; EXPERIMENTAL INVESTIGATIONS ON STRUCTURES; COMPUTER APPLICATIONS**EXPERIENCE** : S.R.F., C.B.R.I., ROORKEE, 1960 - 61; S.S.O.(II), C.B.R.I., ROORKEE 1961-65; SCIENTIST C, SCIENTIST EI AND

SCIENTIST EII, S.E.R.C., 1965-85; (ALSO DAAD FELLOW TO INVESTIGATE APPLICATION OF F E M TO PLATE PROBLEMS; AND STUDIED STATE OF ART OF CABLE STAYED BRIDGES, W. GERMANY, 1966-69; GOT ACQUAINTED WITH THE DEVELOPMENTS IN STRUCTURAL ENGINEERING APPLIED TO BRIDGES AND OTHER STRUCTURES, UNDER CSIR - DAAD EXCHANGE PROGRAMME, 1974 AND 1986); SCIENTIST F, S.E.R.C., 1985-90; SCIENTIST G, S.E.R.C., GHAZIABAD SINCE APRIL, 1990.

PRESENT ACTIVITIES : R & D MANAGEMENT IN BRIDGE STRUCTURES.**LANGUAGES** : MARATHI, HINDI, ENGLISH, GERMAN.**VISITED** : W. GERMANY.**PUBLICATIONS & PATENTS** : RES. PAPERS - 49, TECH. REPORTS - 20, SCIENTIFIC BOOKS - 1.**AWARDS & DISTINCTIONS** : JOHN C GAMMON PRIZE FOR BEST PAPER, INSTITUTION OF ENGINEERS (INDIA), 1963.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 31, DESIGN - 10, CONSULTANCY - 10, R & D MANAGEMENT - 17, TESTING - 5, ADMN. - 12.

7296

SHRI V K GHANEKAR; (B. JULY 21, 1939),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD

QUALIFICATIONS : B.E. CIVIL ENGINEERING - BOMBAY '62; M.S. STRUCTURAL ENGINEERING - UNIVERSITY OF CALIFORNIA, USA. '65.**SPECIALIZATIONS** : STRUCTURAL ENGINEERING.**EXPERIENCE** : DESIGN ENGINEER, M N DASTUR & CO. BOMBAY, 1962 - 63; DESIGN ENGINEER, BECHTEL CORP., SAN FRANCISCO, 1965; SCIENTIST EI, S.E.R.C., 1967-86; (ALSO VISITED IRAQ, UNDER UNDP, OCTOBER, 1973; AND U S A, UNDER BILATERAL EXCHANGE PROGRAMME, APRIL - JUNE, 1982). SCIENTIST EII, S.E.R.C., GHAZIABAD SINCE FEBRUARY, 1986.**VISITED** : U.S.A, IRAQ.**PUBLICATIONS & PATENTS** : RES. PAPERS - 20, SCIENTIFIC BOOKS - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 20, DESIGN - 5, CONSULTANCY - 5.

7297

SHRI B K GOYAL; (B. FEBRUARY 15, 1939),

SCIENTIST EII, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD

QUALIFICATIONS : B.E. CIVIL ENGINEERING - ROORKEE '62; M.E. STRUCTURAL ENGINEERING - ROORKEE '68.**SPECIALIZATIONS** : STRESS ANALYSIS; COMPUTER SOFTWARE DEVELOPMENT; HIGH RISE BUILDINGS.**EXPERIENCE** : S.S.A., C.B.R.I., ROORKEE, 1962-66; SCIENTIST B AND SCIENTIST C, S.E.R.C., 1966-81; (ALSO HIGHER TRAINING IN EXPERIMENTAL TECHNIQUES APPLIED TO CIVIL ENGINEERING, W. GERMANY, 1969-71); SCIENTIST EII AND HEAD COMPUTER CENTRE, S.E.R.C., 1981-86; (ALSO VISITED USA TO FAMILIARISE WITH LATEST DEVELOPMENTS IN STRUCTURAL ENGINEERING, 1984); SCIENTIST EII, S.E.R.C., GHAZIABAD SINCE FEBRUARY, 1986.**PRESENT ACTIVITIES** : R & D AND RESEARCH MANAGEMENT IN STRUCTURAL ENGINEERING.

LANGUAGES : HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 38, TECH. REPORTS - 25, PATENTS FILED - 1.

AWARDS & DISTINCTIONS : BEST PAPER AWARD, ISET, ROORKEE, 1977.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 28, DESIGN - 16, CONSULTANCY - 16, R & D MANAGEMENT - 18, TEACHING - 1, PLANNING - 11, ADMN. - 11, COMPUTER PROCESSING - 26.

7298

SHRI S K AGGARWAL; (B. MAY 12, 1937),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - MADRAS '59; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '68; M.E.(HONS) STRUCTURAL DYNAMICS - ROORKEE '75.

SPECIALIZATIONS : WIND ENGINEERING; STRUCTURAL DYNAMICS; EXPERIMENTAL STRESS ANALYSIS; ANALYSIS OF COMPLEX STRUCTURES; TIMBER ENGINEERING.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, S.E.R.C., 1964-77; S.R.O., MINISTRY OF AGRICULTURE, 1977-81; SCIENTIST B AND SCIENTIST C, S.E.R.C., 1981-88; (ALSO HIGHER TRAINING IN STRUCTURAL DYNAMICS, UNDER NSF PROGRAMME, U S A, OCT.-NOV. 1984); SCIENTIST EI, S.E.R.C., GHAZIABAD SINCE JULY, 1988.

PRESENT ACTIVITIES : R & D IN WIND ENGINEERING AND STRUCTURAL DYNAMICS.

LANGUAGES : HINDI, ENGLISH

VISITED : U S A, W. GERMANY, U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 35, TECH. REPORTS - 26, OTHERS - 15.

AWARDS & DISTINCTIONS : BEST PAPER PRIZE, INSTITUTION OF ENGINEERS, 1974; BEST PAPER PRIZE, 1979; CERTIFICATE OF APPRECIATION FOR R & D ON TIMBER COLUMNS, U S A DEPT. OF AGRICULTURE, 1981.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN, TECH. DEV., CONSULTANCY, TESTING, TEACHING AND PLANNING - (TOTAL: 32).

7299

SHRI PREM CHAND; (B. JULY 26, 1939),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - ROORKEE '59; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '77; M.E. STRUCTURES - ROORKEE '81.

SPECIALIZATIONS : R C C DESIGN; COMPUTER SOFTWARE DEVELOPMENT.

EXPERIENCE : STRUCTURAL DRAUGHTSMAN, SCIENTIST A, SCIENTIST B AND SCIENTIST C, S.E.R.C., 1966-88; SCIENTIST EI, S.E.R.C., GHAZIABAD SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : R & D IN STRUCTURAL ENGINEERING, FIELD INSTRUMENTATION OF SIMPLY SUPPORTED PRESTRESSED CONCRETE BRIDGES.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 14.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11, DESIGN - 22, CONSULTANCY - 22, COMPUTER PROCESSING - 10.

7300

SHRI PREM PRAKASH GARG; (B. MARCH 28, 1939),

PROJECT OFFICER (EI), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - BOARD OF TECHNICAL EDUCATION, UP '58; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '75.

SPECIALIZATIONS : CIVIL AND ELECTRICAL WORKS; PROJECT PLANNING.

EXPERIENCE : JUNIOR ENGINEER, C.S.I.R., 1961-69; CIVIL ENGINEER, CIVIL ENGINEER (B) AND EXECUTIVE ENGINEER(C), C.B.R.I., ROORKEE, 1969-85; SUPERINTENDING ENGINEER (EI), CSIR COMPLEX, PALAMPUR, 1985-87; PROJECT OFFICER (EI), S.E.R.C., GHAZIABAD SINCE MARCH, 1987.

PRESENT ACTIVITIES : SUPERVISION OF CONSTRUCTION WORKS AND PROJECT PLANNING.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 31, QUALITY CONTROL - 31, MAINTENANCE - 17, PLANNING - 28.

7301

SHRI MITTER SAIN KAPLA; (B. MAY 24, 1941),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - STATE BOARD OF TECHNICAL EDUCATION, PUNJAB '60; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '65; M.E. STRUCTURES - ROORKEE '77.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; R C C AND PRESTRESSED STRUCTURES; BRIDGE SUPERSTRUCTURES; INDUSTRIAL STRUCTURES.

EXPERIENCE : INSTRUCTOR, RAMGARHIA POLYTECHNIC, PHAGWARA, 1960-62; J.S.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, S.E.R.C. ROORKEE & GHAZIABAD, 1962-86; (ALSO FOREIGN ASSIGNMENT TO GOVERNMENT OF IRAQ, 1982-83); SCIENTIST EI, S.E.R.C., GHAZIABAD SINCE AUGUST, 1986.

PRESENT ACTIVITIES : R & D IN STRUCTURAL ENGINEERING.

LANGUAGES : PUNJABI, HINDI, ENGLISH.

VISITED : IRAQ.

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 7, SCIENTIFIC BOOKS - 2, OTHERS (CONSULTANCY REPORTS) - 14.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECH. DEV., CONSULTANCY, TESTING, CONSTRUCTION, TEACHING AND COMPUTER PROCESSING - (TOTAL: 31).

7302

SHRI RAM KUMAR; (B. JANUARY 1, 1953),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E. CIVIL - ROORKEE '74; M.E. STRUCTURAL ENGINEERING - ROORKEE '77.**SPECIALIZATIONS :** STRUCTURAL ENGINEERING; NUMERICAL METHODS; COMPUTER SOFTWARE DEVELOPMENT; FRACTURE MECHANICS.**EXPERIENCE :** RESEARCH ASSISTANT, UNIVERSITY OF ROORKEE, 1975-80; SCIENTIST B AND SCIENTIST C, S.E.R.C., 1980-90; SCIENTIST EI, S.E.R.C., GHAZIABAD SINCE DECEMBER, 1990.**PRESENT ACTIVITIES :** R & D IN STRUCTURAL ENGINEERING.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 15, TECH. REPORTS - 4, OTHERS (CONSULTANCY REPORTS) - 10.**AWARDS & DISTINCTIONS :** KHOSLA AWARD AND SILVER MEDAL FOR BEST PAPER IN CIVIL ENGINEERING, ROORKEE UNIVERSITY, 1987-88.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 15, DESIGN - 15, CONSULTANCY - 15, R & D MGMT. - 10, TESTING - 2, PLANNING - 10, COMPUTER PROCESSING - 15.

7303

SHRI PREM CHANDRA SHARMA; (B. JUNE 5, 1940),

SCIENTIST EI, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - BOARD OF TECHNICAL EDUCATION, UP '58.**SPECIALIZATIONS :** FERROCEMENT STRUCTURES; PREFABRICATION OF STRUCTURES; LOW COST HOUSING AND SANITATION; REPAIR AND STRENGTHENING OF STRUCTURES.**EXPERIENCE :** SUPERVISOR, BHILAI STEEL PROJECT, 1958-60; J.S.A. AND S.S.A., C.B.R.I., ROORKEE, 1960-68; SCIENTIST A, SCIENTIST B AND SCIENTIST C, S.E.R.C., 1968-88; SCIENTIST EI, S.E.R.C. SINCE AUGUST, 1988; (ALSO ON DEPUTATION TO A.I.T., BANGKOK, THAILAND ON VARIOUS TRAINING PROGRAMMES, 1978, 1979 AND 1983).**PRESENT ACTIVITIES :** R & D IN FERROCEMENT STRUCTURES AND RAIN WATER HARVESTING TECHNOLOGY; ALSO ENGAGED IN DRINKING WATER MISSION PROJECT - RAIN WATER HARVESTING AND F.C. TANKS.**LANGUAGES :** HINDI, SANSKRIT, ENGLISH.**VISITED :** THAILAND, SINGAPORE, MALAYSIA.**PUBLICATIONS & PATENTS :** RES. PAPERS - 50, TECH. REPORTS - 20, SCIENTIFIC BOOKS - 5, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 10, PROCESSES UNDER UTILISATION - 3.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 15, DESIGN - 3, TECH. DEV. - 15, CONSULTANCY - 5, CONSTRUCTION - 3, QUALITY CONTROL - 5, TECHNOLOGY TRANSFER - 10, EXTENSION - 10.

7304

SHRI S S BHORAY; (B. JULY 16, 1935),

TECHNICAL OFFICER (C), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.A. - PUNJAB '59.**SPECIALIZATIONS :** PILOT PLANT OPERATION.**EXPERIENCE :** S.L.A., J.T.A., S.T.A., SHIFT INCHARGE, J.S.O., SR. SHIFT INCHARGE AND S.S.O., N.M.L., JAMSHEDPUR, 1961-81; TECHNICAL OFFICER (C), S.E.R.C., GHAZIABAD SINCE FEBRUARY, 1981.**PRESENT ACTIVITIES :** OPERATION OF PILOT PLANT.**LANGUAGES :** GURUMUKHI, HINDI, URDU, ENGLISH.**PUBLICATIONS & PATENTS :** TECH. REPORTS - 8, RES. PAPERS - 2.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RESEARCH - 4, PILOT PLANT - 5, PRODUCTION - 19.

7305

DR ASHOK KUMAR; (B. AUGUST 9, 1954),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : M.SC. CHEMISTRY - MEERUT '74; B.LIB.SC. LIBRARY SCIENCE - DELHI '77; M.L.I.SC. LIBRARY & INFORMATION SCIENCE - DELHI '78; PH.D. CHEMISTRY - MEERUT '86.**SPECIALIZATIONS :** LIBRARY SCIENCE AND DOCUMENTATION.**EXPERIENCE :** J.T.A., S.T.A., SCIENTIST A, SCIENTIST B, SCIENTIST C, N.P.L., DELHI, 1978-90; TECHNICAL OFFICER (C), S.E.R.C., GHAZIABAD SINCE FEBRUARY, 1990.**PRESENT ACTIVITIES :** LIBRARY SCIENCE AND DOCUMENTATION.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 2, TECH. REPORTS - 3.**PROFESSIONAL EXPERIENCE(IN YEARS) :** DOCUMENTATION - 13.

7306

DR MANU SAXENA; (B. JUNE 4, 1958),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.SC. - MEERUT '77; M.SC. APPLIED MATHEMATICS - ROORKEE '79; P.G. DIPLOMA IN AUTOMATIC COMPUTATION - ROORKEE '80; PH.D. MATHEMATICS (NONLINEAR OPTIMIZATION) - ROORKEE '88.**SPECIALIZATIONS :** OPTIMIZATION TECHNIQUES; COMPUTER APPLICATIONS; NUMERICAL ANALYSIS.**EXPERIENCE :** J.S.A., S.T.A., TECHNICAL OFFICER (A) AND SCIENTIST B, S.E.R.C., 1980-90; SCIENTIST C, S.E.R.C. SINCE FEBRUARY, 1990.**PRESENT ACTIVITIES :** R & D IN OPTIMIZATION AND NUMERICAL TECHNIQUES, COMPUTER APPLICATIONS AND COMPUTER CENTRE MANAGEMENT.**LANGUAGES :** HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 3, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, COMPUTER PROCESSING - 9.

7307

SHRI RAVENDRA SHARMA; (B. JANUARY 11, 1941),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : M.SC. APPLIED MATHEMATICS - ROORKEE '77.

SPECIALIZATIONS : MATHEMATICS; COMPUTER SOFTWARE DEVELOPMENT.

EXPERIENCE : PUNCH OPERATOR, OPERATOR, J.T.A., S.T.A. AND SCIENTIST B, S.E.R.C., 1964-88; SCIENTIST C, S.E.R.C. SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : COMPUTER PROCESSING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : OTHERS (MANUALS) - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECH. DEV. - 25, OPERATION - 16, MAINTENANCE - 6, DOCUMENTATION - 2, COMPUTER PROCESSING - 8.

7308

SHRI INDER PAL SINGH; (B. DECEMBER 1, 1956),

MAINTENANCE ENGINEER CIVIL (B), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING - BOARD OF TECHNICAL EDUCATION, U.P. '76.

SPECIALIZATIONS : SOIL MECHANICS AND FOUNDATION ENGINEERING.

EXPERIENCE : J.S.A. AND S.S.A., C.B.R.I., ROORKEE, 1978-87; MAINTENANCE ENGINEER CIVIL (B), S.E.R.C., GHAZIABAD SINCE JANUARY, 1987.

PRESENT ACTIVITIES : MAINTENANCE OF CIVIL, ELECTRICAL, REFRIGERATION, AIRCONDITIONING, VEHICLES, SANITATION AND CONSTRUCTION WORKS.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, CONSTRUCTION - 5, MAINTENANCE - 4.

7309

SHRI JANARDAN SWARUP; (B. NOVEMBER 2, 1948),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, ROORKEE.

QUALIFICATIONS : B.SC. - MEERUT '68; M.SC. CHEMISTRY - MEERUT '70; DIP. IN INDUSTRIAL MANAGEMENT - NIBM, COLOMBO, SRI LANKA '85.

SPECIALIZATIONS : TECHNOLOGY TRANSFER; POLYMERS; DOCUMENTATION; TECHNOLOGY TRANSFER FOR PROMOTION OF S & T.

EXPERIENCE : J.S.A. AND S.S.A., I.I.P., DEHRADUN, 1971-79; ASSISTANT CHEMIST, O.N.G.C., DEHRADUN, 1979-81; SCIENTIST B AND SCIENTIST C, CSIR HEAD QUARTERS, 1981-88; SCIENTIST C, S.E.R.C. SINCE MARCH, 1988.

PRESENT ACTIVITIES : TECHNOLOGY TRANSFER FOR PROMOTION OF S & T.

LANGUAGES : HINDI, ENGLISH.

VISITED : SRI LANKA.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 3, SCIENTIFIC BOOKS - 2, ARTICLES - 2, OTHERS(PAMPHLETS) - 110, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, R & D MGMT - 10, TECHNOLOGY TRANSFER - 10, DOCUMENTATION - 10, EXTENSION - 10.

7310

SHRI OM PRAKASH THAKUR; (B. MARCH 4, 1945),

SCIENTIST C, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.SC. - AGRA '65; M.SC. PHYSICS - AGRA '71; A.M.I.E. CIVIL - INSTITUTION OF ENGINEERS (INDIA) '81; M.E. EARTHQUAKE ENGINEERING (STRUCTURAL DYNAMICS) - ROORKEE '85.

SPECIALIZATIONS : EARTHQUAKE ENGINEERING (STRUCTURAL DYNAMICS); DYNAMIC ANALYSIS OF BUILDINGS AND SUB-STRUCTURES OF BRIDGES.

EXPERIENCE : S.L.A., J.S.A., S.T.A. AND SCIENTIST B, S.E.R.C., 1972-88; SCIENTIST C, S.E.R.C. GHAZIABAD SINCE FEBRUARY, 1988.

PRESENT ACTIVITIES : DYNAMIC ANALYSIS AND DESIGN OF BUILDINGS - PRESENTLY MONITORING THE SUPER STRUCTURE OF TAJ MAHAL, AGRA.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 2, CONSULTANCY REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 16, TESTING - 6, TEACHING - 5, PLANNING - 1, CONSULTANCY - 1.

7311

SHRI JITENDRA AGARWAL; (B. NOVEMBER 10, 1963),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - I.I.T., DELHI '85; M.TECH. COMPUTER SCIENCE - I.I.T., DELHI '87.

SPECIALIZATIONS : CIVIL STRUCTURES; COMPUTER SOFTWARE DEVELOPMENT.

EXPERIENCE : SCIENTIST B, S.E.R.C. GHAZIABAD SINCE MARCH, 1987; (ALSO TRAINING IN ELXSI-6400 SYSTEM, SINGAPORE, 1988).

PRESENT ACTIVITIES : R & D IN CIVIL STRUCTURES; CONSULTANCY AND SOFTWARE DEVELOPMENT.

LANGUAGES : HINDI, ENGLISH.

VISITED : SINGAPORE.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, DESIGN - 1, CONSULTANCY - 1, OPERATION - 1, COMPUTER PROCESSING - 2, SOFTWARE DEVELOPMENT - 3.

7312

SHRI A S BISHT; (B. APRIL 12, 1967),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - PANJAB '88; M.E. STRUCTURAL ENGINEERING - PANJAB '90.

SPECIALIZATIONS : CIVIL STRUCTURES.

EXPERIENCE : TEACHING ASSISTANT, PUNJAB ENGINEERING COLLEGE, 1990-91; SCIENTIST B, S.E.R.C. GHAZIABAD SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

7313

SHRI SANJAY SINGH GAHARWAR; (B. JUNE 22, 1964),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E. CIVIL - GURU GHASIDAS '86; M.E. STUCT. ENGG.- DEVI AHILIYA '89.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; BRIDGE ENGINEERING.

EXPERIENCE : PLANNING ENGINEERING, B.K. AJWANI & ASSOCIATES, POONA, 1988; S.D.O.(C), NEEPKO LTD., SHILLONG, 1988-89; LECTURER, B.I.T., DURG (M.P.), 1989-90; SCIENTIST B, S.E.R.C., GHAZIABAD SINCE MAY, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH IN BRIDGE ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 3/4, DESIGN - 1, TEACHING - 1.

7314

SHRI RAJEEV KUAMR GARG; (B. JULY 16, 1963),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - G.B.PANT '85; M.TECH. ENGINEERING MECHANICS - I.I.T., MADRAS '86.

SPECIALIZATIONS : WIND ENGINEERING AND INDUSTRIAL AERODYNAMICS; STRUCTURAL ENGINEERING.

EXPERIENCE : SCIENTIST B, S.E.R.C., GHAZIABAD SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : R & D AND CONSULTANCY IN STRUCTURAL ENGINEERING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PAPERS - 2, REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 2, CONSULTANCY - 1, PLANNING - 1, TESTING - 1.

7315

SHRI J K GOYAL; (B. NOVEMBER 28, 1966),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E. CIVIL - JIWAJI '87; M.E. CIVIL STRUCTURES - B.I.T.S., PILANI '90.

SPECIALIZATIONS : STRUCTURAL DESIGN; DISASTER MITIGATION.

EXPERIENCE : SITE ENGINEER, R.S. BHASKAR CONSTRUCTION CO., GWALIOR, 1987-89; ASISTANT ENGINEER, TATA CONST. ENGRS, DELHI, 1990-92; SCIENTIST B, S.E.R.C., GHAZIABAD SINCE JUNE, 1992.

PRESENT ACTIVITIES : STRUCTURAL DESIGN.

LANGUAGES : HINDI, ENGLISH.

7316

SHRI GULSHAN KUMAR; (B. JUNE 15, 1963),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E.(CIVIL) - ROORKEE '85; M.E.(CIVIL) - ROORKEE '88.

SPECIALIZATIONS : DESIGN OF BUILDINGS; SOIL STRUCTURE INTERACTION IN HIGH RISE BUILDINGS; BRIDGE INSTRUMENTATION.

EXPERIENCE : A.E.(CIVIL); TATA CONSULTANCY ENGINEERS, BOMBAY, 1986-89; SCIENTIST B, S.E.R.C., GHAZIABAD SINCE OCTOBER, 1989.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : HINDI, PUNJABI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 2, DESIGN - 3.

7317

SHRI A MURUGIAH; (B. FEBRUARY 18, 1961),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E. CIVIL - MADURAI '83; M.TECH.(HONS) STRUCTURAL ENGINEERING - CALICUT '87.

SPECIALIZATIONS : STRUCTURAL ENGINEERING (FERROCEMENT); LONG SPAN BRIDGES.

EXPERIENCE : ASSISTANT ENGINEER, TWAD BOARD, VELLORE, 1983-85; JUNIOR DESIGN CONSULTANT, M/S GILCON PROJECT SERVICES LTD., NEW DELHI, 1987-88; SCIENTIST B, S.E.R.C., GHAZIABAD SINCE MARCH, 1989.

PRESENT ACTIVITIES : R & D IN STRUCTURAL ENGINEERING.

LANGUAGES : TAMIL, MALAYALAM, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 3

7318

SHRI A K PANDAY; (B. JULY 20, 1964),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E.(CIVIL) - ALLAHABAD '87; M.E. STRUCTURAL DYNAMICS - ROORKEE '91.

EXPERIENCE : SCIENTIST B, S.E.R.C., GHAZIABAD SINCE SEPTEMBER, 1989.

PRESENT ACTIVITIES : R & D IN BRIDGE AND MULTISTOREYED BUILDINGS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APPLIED RESEARCH - 4.

7319

MRS LAKSHMY PARAMESWARAN; (B. APRIL 17, 1962),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.SC. CIVIL ENGINEERING - KERALA '84; M.E. STRUCTURAL ENGINEERING - BHARATHIAR '86.

SPECIALIZATIONS : STRUCTURAL ENGINEERING; COMPUTER SOFTWARE DEVELOPMENT; WIND ENGINEERING.

EXPERIENCE : SCIENTIST B, S.E.R.C., GHAZIABAD SINCE MARCH, 1987; (ALSO TRAINING, I.I.S.C. BANGALORE, 1988 AND EQUIPMENT TRAINING IN P.S.I. U S A, 1990; VISITING SCIENTIST, JOHNS HOPKINS UNIV, U S A, 1991).

PRESENT ACTIVITIES : R & D IN STRUCTURAL ENGINEERING AND WIND ENGINEERING SOFTWARE DEVELOPMENT.

LANGUAGES : TAMIL, MALAYALAM, HINDI, ENGLISH.

VISITED : U.K., U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 5, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES., DESIGN, TECHNICAL DEV., CONSULTANCY AND COMPUTER PROCESSING - (TOTAL : 4).

7320

SHRI K R K RAJU; (B. AUGUST 31, 1966),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.TECH. CIVIL ENGINEERING - NAGARJUNA '88; M.TECH. STRUCTURAL ENGINEERING - I.I.T., KHARAGPUR '90.

SPECIALIZATIONS : BRIDGE ENGINEERING.

EXPERIENCE : SCIENTIST B, S.E.R.C., GHAZIABAD SINCE APRIL, 1992.

LANGUAGES : TELUGU, ENGLISH, HINDI.

7321

SHRI GANESH KUMAR SAHU; (B. MAY 18, 1965),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E. CIVIL - ALLAHABAD '87; M.E. STRUCTURAL ENGINEERING - ALLAHABAD '89.

SPECIALIZATIONS : AUTOMATED DESIGN OF BEAMS AND COLUMNS OF MULTISTOREYED BUILDINGS; ANALYSIS AND DESIGN OF GUYESMAST.

EXPERIENCE : RESEARCH SCIENTIST, M.N.R.E.C., ALLAHABAD, 1989-90; SCIENTIST B, S.E.R.C., GHAZIABAD JUNE, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH.

LANGUAGES : HINDI, ENGLISH.

7322

SHRI DINESH CHANDRA SHARMA; (B. DECEMBER 6, 1961),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E. ELECTRICAL - ROORKEE '84; M.TECH. COMPUTER SCIENCE & TECHNOLOGY - ROORKEE '86.

SPECIALIZATIONS : ELECTRICAL ENGINEERING; COMPUTER SCIENCE AND TECHNOLOGY.

EXPERIENCE : S.R.A., NATIONAL INSTITUTE OF HYDROLOGY, ROORKEE, 1985-87; SCIENTIST B, S.E.R.C., GHAZIABAD SINCE APRIL, 1987.

PRESENT ACTIVITIES : DEVELOPMENT OF INFRASTRUCTURAL FACILITIES FOR MODAL ANALYSIS AND OTHER RELATED LABORATORIES, DEVELOPMENT OF SOFTWARE FOR ANALYSIS OF FIELD DATA, DESIGN & PLANNING OF 33KV, 4MVA SUBSTATION.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, TECH. DEV. - 2, CONSTRUCTION - 4, OPERATION - 3, MAINTENANCE - 2, COMPUTER PROCESSING - 3.

7323

SHRI MAN SINGH; (B. JANUARY 15, 1967),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E. CIVIL - ROORKEE '88; M.E. STRUCTURAL ENGINEERING - ROORKEE '90.

SPECIALIZATIONS : VIBRATION ANALYSIS OF MACHINE FOUNDATIONS; STATICS AND DYNAMICS OF MULTISTOREYED BUILDINGS; F E M TECHNIQUES OF ANALYSIS.

EXPERIENCE : SENIOR RESEARCH ASSTT., IIT DELHI, 1990; JR STRUCTURAL ENGINEER, GHERZI EASTERN LTD., DELHI, 1990-91; SCIENTIST B, S.E.R.C., GHAZIABAD SINCE DECEMBER, 1991.

7324

SHRI CHINTA SRINIVAS; (B. DECEMBER 26, 1965),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.TECH. CIVIL - J.N.T.U., HYDERABAD '86; M.E. STRUCTURAL ENGINEERING - BHARATIAR '89.

SPECIALIZATIONS : CIVIL ENGINEERING; STRUCTURAL ENGINEERING.

EXPERIENCE : ENGINEER, VIJAYA & CO., VIJAYWADA, 1986-87; GRADUATE ENGINEER, I.D.E.A., BANGALORE, 1989; SCIENTIST B, S.E.R.C., GHAZIABAD SINCE APRIL, 1990.

PRESENT ACTIVITIES : INSTRUMENTATION OF BRIDGES AND ANALYSIS OF TALL BUILDINGS.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE : BASIC RESEARCH - 1, DESIGN - 1, CONSTRUCTION - 1, PLANNING - 1, COMPUTER PROCESSING - 1.

7325

SHRI BRAJ KISHORE TRIPATHI; (B. JAN 1, 1946),
INFORMATION OFFICER (B), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.SC. - KANPUR '70; M.SC. MATHEMATICS - BUNDELKHAND '84; LL.B. - LUCKNOW '73.

SPECIALIZATIONS : STRAIN GAUGE TECHNOLOGY; COMPUTER SOFTWARE; INFORMATION SCIENCE.

EXPERIENCE : S.L.A., J.S.A. AND S.T.A., S.E.R.C., ROORKEE, 1971-87; INFORMATION OFFICER (B), S.E.R.C., GHAZIABAD SINCE JUNE, 1987.

PRESENT ACTIVITIES : INFORMATION DISSEMINATION, LIAISON AND MARKETING; R & D.

LANGUAGES : HINDI, SANSKRIT, URDU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 14, CONSULTANCY - 1, MAINTENANCE - 2, PLANNING, TECHNOLOGY TRANSFER, SALES MARKETING, DOCUMENTATION AND EXTENSION - 3.

7326

SHRI M UMAMAHESWAR; (B. AUGUST 14, 1966),
SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E.(CIVIL ENGG.) - OSMANIA '87; M.TECH. COMPUTER SCIENCE & ENGINEERING - OSMANIA '89.

SPECIALIZATIONS : COMPUTER SCIENCE AND ENGINEERING.

EXPERIENCE : SCIENTIST B, S.E.R.C. GHAZIABAD SINCE APRIL, 1990.

PRESENT ACTIVITIES : STRUCTURAL ANALYSIS AND COMPUTER SCIENCE.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, ARTICLES - 1.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES., PILOT PLANT, CONSULTANCY, TESTING, MAINTENANCE, ADMN AND COMPUTER PROCESSING - TOTAL 4 YEARS.

7327

SHRI P VENKATESHAN; (B. APRIL 27, 1966),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E. CIVIL - MADRAS '88; M.B.A. MARKETING - ANNA '92.

SPECIALIZATIONS : INDUSTRIAL MARKETING.

EXPERIENCE : ENGINEER, NATIONAL HYDROELECTIC POWER CORPORATION, 1991; SCIENTIST B, S.E.R.C. GHAZIABAD SINCE OCTOBER, 1991.

PRESENT ACTIVITIES : R & D.

7328

SHRI V R VERMA; (B. OCTOBER 28, 1967),

SCIENTIST B, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.E. AERONAUTICAL ENGG. (AERODYNAMICS) - AERONAUTICAL SOCIETY OF INDIA, NEW DELHI '89; M.E. AERODYNAMICS - B.I.T.S., RANCHI '91.

SPECIALIZATIONS : AERODYNAMICS.

EXPERIENCE : GRADUATE TRAINEE, N.A.L., BANGALORE, 1989-90; SCIENTIST B, S.E.R.C., GHAZIABAD SINCE AUGUST, 1992.

PRESENT ACTIVITIES : R & D IN WIND ENERGY.

LANGUAGES : TELUGU, TAMIL, ENGLISH.

7329

SHRI P GODSE; (B. SEPTEMBER 22, 1943),

TECHNICAL OFFICER (A), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

PROFESSIONAL EXPERIENCE (IN YEARS) : OPERATION - 30, TESTING - 10, TECHNICAL DEV. - 30, QUALITY CONTROL - 3, DOCUMENTATION - 4, OTHERS - 1.

QUALIFICATIONS : TOOL MAKER'S CERTIFICATE - I.T.I., KANPUR '62.

SPECIALIZATIONS : TOOL AND DIE MAKING.

EXPERIENCE : FINE MECHANIC, J.T.A. AND S.T.A., S.E.R.C., GHAZIABAD, 1964-88; TECHNICAL OFFICER (A), S.E.R.C., GHAZIABAD SINCE 1988.

PRESENT ACTIVITIES : R & D, OPERATION, TESTING, TECHNICAL DEV., QUALITY CONTROL AND DOCUMENTATION.

LANGUAGES : MARATHI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : PROCESSES DEVELOPED - 1.

7330**SHRI PRAKASH CHANDRA GUPTA; (B. MARCH 9, 1941),**

TECHNICAL OFFICER (A), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : DRUGHATSMAN COURSE (CIVIL) - ITI, RAMPUR, U.P. '62; B.A. - MEERUT '74.**EXPERIENCE :** JR. DRUGHATSMAN, SR. DRUGHATSMAN AND S.T.A., S.E.R.C, ROORKEY, 1966-88; TECHNICAL OFFICER (A), S.E.R.C. GHAZIABAD SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES :** DESIGN.**LANGUAGES :** HINDI, ENGLISH.**7331****SHRI PRADEEP MOHAN; (B. AUGUST 16, 1947),**

SCIENTIST A, STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

7332**SHRI R S PAHWA; (B. JUNE 12, 1937),**

TECHNICAL OFFICER (A), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

7333**SHRI S K SHARMA; (B. JULY 15, 1945),**

TECHNICAL OFFICER (A), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : B.SC. MEERUT '68; M.SC. MATHEMATICS - MEERUT '76.**EXPERIENCE :** PUNCH OPERATOR, S.L.A., J.T.A., S.T.A., S.E.R.C., ROORKEE, 1970-90; TECHNICAL OFFICER (A), S.E.R.C., GHAZIABAD SINCE JULY, 1990.**PRESENT ACTIVITIES :** INFORMATION, EXTENSION, PROJECT MONITORING & EVALUATION, LIAISON, ETC.**LANGUAGES :** HINDI, SANSKRIT, ENGLISH.**PUBLICATIONS & PATENTST :** TECH. REPORTS - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** 20.**7334****SHRI J P SINGH; (B. JULY 15, 1945),**

TECHNICAL OFFICER (A), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : M.SC.(AG) BOTANY - MEERUT '84.**SPECIALIZATIONS :** SURVEY OF MEDICINAL AND AROMATIC PLANT-RAW MATERIALS; HIGH YIELDING GERM PLASM OF MEDICINAL AND AROMATIC PLANTS FROM WILD RESOURCES; AGRO-ECOLOGICAL STUDIES AND DOMESTICATION OF MEDICINAL AND AROMATIC PLANTS.**EXPERIENCE :** PLANT COLLECTOR AND J.T.A., R.R.L., JAMMU, 1971-85; J.T.A., S.T.A., S.E.R.C, GHAZIABAD, 1985-89; TECHNICAL OFFICER (A), S.E.R.C. GHAZIABAD SINCE FEBRUARY, 1989.**PRESENT ACTIVITIES :** HORTICULTURE WORK.**LANGUAGES :** HINDI, ENGLISH.**7335****SHRI R K VERMA; (B. FEBRUARY 10, 1942),**

TECHNICAL OFFICER (A), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

QUALIFICATIONS : MECHANIST CERT. - I.T.I YAMUNANAGAR, HARYANA '62; I.T.I(C) MACHINIST - I.T.I., DELHI '65.**EXPERIENCE :** FINE MECHANIC, J.T.A. AND S.T.A., S.E.R.C., GHAZIABAD, 1967-89; TECHNICAL OFFICER (A), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD SINCE 1989.**PRESENT ACTIVITIES :** INSTALLATION OF WORKSHOP MACHINES AND SUPERVISION.**7336****SHRI J K VIJ; (B. OCTOBER 10, 1947),**

TECHNICAL OFFICER (A), STRUCTURAL ENGINEERING RESEARCH CENTRE, GHAZIABAD.

**Regional Research Laboratory,
Bhubaneswar**

7337

DR H S RAY; (B. JUNE 19, 1940),

DIRECTOR, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.TECH.(HONS.) METALLURGICAL ENGINEERING - I.I.T., KHARAGPUR '62; M.A.SC. EXTRACTIVE METALLURGY - UNIVERSITY OF TORONTO, CANADA '63; PH.D. EXTRACTIVE METALLURGY - UNIVERSITY OF TORONTO, CANADA '66.**SPECIALIZATIONS :** EXTRACTIVE METALLURGY; THERMAL ANALYSIS AND KINETICS; GLASS MELTING; FUSED SALTS.**EXPERIENCE :** LECTURER AND ASSISTANT PROFESSOR, I.I.T., KANPUR, 1967-80; SENIOR TECHNOLOGIST, R & D PILKINGTON BROS, U.K., 1977-79; CIDA-NRC RESEARCH ASSOCIATESHIP, PILKINGTON, INDIA EXCHANGE FELLOWSHIP, 1977-79; PROFESSOR AND DEAN, I.I.T., KHARAGPUR, 1980-90; DIRECTOR, R.R.L., BHUBANESWAR SINCE 1990.**PRESENT ACTIVITIES :** RESEARCH, RESEARCH MANAGEMENT AND ADMINISTRATION.**LANGUAGES :** BENGALI, HINDI, ORIYA, ENGLISH.**VISITED :** U.K., CANADA, U S A**PUBLICATIONS & PATENTS :** BOOKS PUBLISHED - 4, RES. PAPERS - 105, CONFERENCE PROCEEDINGS - 90, REVIEW ARTICLES - 8, POPULAR SCIENCE ARTICLES - 30, RES. REPORTS - 47, PAPERS PRESENTED - 192, PATENTS FIELD CURRENTLY - 4, PROCESSES DEVELOPED - SEVERAL, PROCESSES UNDER UTILISATION - SEVERAL.**AWARDS & DISTINCTIONS :** KAMANI GOLD MEDAL, INDIAN INSTITUTE OF METALS; NATIONAL METALLURGISTS' DAY AWARD, 1984; CONSULTANT, MECON RDCIS, SAIL, RANCHI; COUNCIL MEMBER, IIM; SILVER JUBILEE RESEARCH AWARD, IIT, KHARAGPUR, 1988; G D BIRLA AWARD FOR OUTSTANDING RESEARCH, INDIAN INSTITUTE OF METALS, 1991.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 23, APPLIED RES. - 23, TEACHING - 23, EDITING - 20, PLANNING - 4, CONSULTANCY - 4, R & D MANAGEMENT - 4, ADMINISTRATION - 4.

7338

DR R P DAS; (B. NOVEMBER 1, 1945),

SCIENTIST F, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.TECH. METALLURGICAL ENGINEERING - I.I.T., BOMBAY '68; M.TECH. METALLURGICAL ENGINEERING - I.I.T., BOMBAY '70; PH.D. METALLURGY - PENNSYLVANIA STATE UNIVERSITY, U S A '74.**SPECIALIZATIONS :** HYDROMETALLURGY; ALLOY STEEL MAKING.**EXPERIENCE :** RESEARCH ASSISTANT AND RESEARCH ASSOCIATE, PENNSYLVANIA STATE UNIVERSITY, U S A, 1971-75; SENIOR RESEARCH ENGINEER, STEEL AUTHORITY OF INDIA LTD., RANCHI, 1975-78; SCIENTIST EI AND SCIENTIST EII, R.R.L., BHUBANESWAR 1978-87; SCIENTIST F, R.R.L., BHUBANESWAR SINCE NOVEMBER 1987.**PRESENT ACTIVITIES :** RESEARCH IN EXTRACTIVE METALLURGY.**LANGUAGES :** ORIYA, HINDI, ENGLISH.**VISITED :** CANADA, U S A, W. GERMANY, SWEDEN, SPAIN, AUSTRIA, EGYPT.**PUBLICATIONS & PATENTS :** RES. PAPERS - 9.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 20, APP. RES. - 15, TECH. DEV. - 3, PILOT PLANT - 3, R & D MGMT. - 4.

7339

SHRI DIPENDRA NARAYAN DEY; (B. AUGUST 17, 1939),

SCIENTIST F, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.CHEM.E. CHEMICAL - JADAVPUR '60.**SPECIALIZATIONS :** PLANT DESIGN; EXTRACTIVE METALLURGY AND AGGLOMERATION.**EXPERIENCE :** ASSISTANT CHEMICAL ENGINEER, THE CALCUTTA CHEMICAL CO. LTD., CALCUTTA, 1961-62; S.S.A., CMRS, DHANBAD 1962-65; S.S.A. AND SCIENTIST B, C.D.E.O. (CSIR), NEW DELHI, 1965-68; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1968-86; (ALSO IN - PLANT TRAINING AT THE SINTERING PLANTS, U.S.S.R., 1976); SCIENTIST EII, R.R.L., BHUBANESWAR, 1986-90; SCIENTIST F, R.R.L., BHUBANESWAR SINCE FEBRUARY 1990.**PRESENT ACTIVITIES :** R & D IN PYROMETALLURGY; R & D MANAGEMENT.**LANGUAGES :** BENGALI, HINDI, ORIYA, ENGLISH.**VISITED :** U.S.S.R., W. GERMANY, EGYPT.**PUBLICATIONS & PATENTS :** RES. PAPERS - 35, TECH. REPORTS - 8, PATENTS TAKEN - 8, PATENTS FILED - 4, PROCESSES DEVELOPED - 7, PROCESSES UNDER UTILISATION - 2.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 21, DESIGN - 6.

7340

DR J S MURTY; (B. JULY 1, 1941),

SCIENTIST F, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.E. MECHANICAL - ANDHRA '63; M.E. MACHINE DESIGN - I.I.SC., BANGALORE '65; C.SC. (TECH.), D.TECH., HIGH TEMPERATURE CREEP - TECHNICAL UNIVERSITY, HUNGARIAN ACADEMY OF SCIENCES, BUDAPEST '73.**SPECIALIZATIONS :** DESIGN OF EQUIPMENT; HYDRAULIC TRANSPORTATION OF SOLIDS IN PIPE LINES; ENERGY CONSERVATION; HIGH TEMPERATURE CREEP OF ENGINEERING MATERIALS.**EXPERIENCE :** SCIENTIST B, C.S.I.R., 1965-68; SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, R.R.L., BHUBANESWAR, 1968-91; SCIENTIST F, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1991.**PRESENT ACTIVITIES :** DESIGN AND DEVELOPMENT OF EQUIPMENTS; HIGH TEMPERATURE SYSTEMS; HYDRAULIC TRANSPORTATION OF ORES AND MINERALS; POLLUTION CONTROL.**LANGUAGES :** TELUGU, HINDI, ORIYA, ENGLISH, HUNGARIAN, GERMAN.**VISITED :** HUNGARY, GERMANY, U.K., FRANCE, SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 72, TECH. REPORTS - 19, ARTICLES - 3, PATENTS TAKEN - 5, PATENTS FILED - 3, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : NRDC AWARD, 1987; MECON AWARD, 1987; S S BHATNAGAR PRIZE, 1989; INSTITUTION OF ENGINEERS (INDIA) AWARD, 1990.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 3, APP. RES. - 17, DESIGN - 25, PILOT PLANT - 8, R & D MGMT. - 15, CONSTRUCTION - 9, OPERATION - 9.

7341

DR S BHANOJEE RAO; (B. JULY 15, 1941),

SCIENTIST F, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. PHYSICAL CHEMISTRY - ANDHRA '61; DIPLOMA IN RUSSIAN LANGUAGE - UTKAL '66; PH.D. CHEMISTRY - UTKAL '85.

SPECIALIZATIONS : INORGANIC CHEMISTRY; CATALYSIS; PHYSICAL CHEMISTRY; MINERALS.

EXPERIENCE : DEMONSTRATOR AND J.R.F. (CSIR), ANDHRA UNIVERSITY, 1961-64; S.S.A., SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, R.R.L., 1964-91; SCIENTIST F, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, HINDI, ORIYA, ENGLISH, RUSSIAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, PATENTS TAKEN - 3, PATENTS FILED - 6, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 26, APP. RES. - 23, TECHNICAL DEVELOPMENT - 23, R & D MGMT. - 2, TEACHING - 3.

7342

DR R K SAHOO; (B. JUNE 1, 1940),

SCIENTIST F, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. (HONS.) GEOLOGY & GEOPHYSICS - I.I.T., KHARAGPUR '61; M.TECH. APPLIED GEOLOGY - I.I.T., KHARAGPUR '63; DR. RER. NAT. MINERALOGY, - HEIDELBERG UNIVERSITY, W. GERMANY '74.

SPECIALIZATIONS : ORE DEPOSIT STUDIES; MINERALOGY; APPLIED GEOLOGY; QUANTITATIVE MINEROLOGY APPLIED TO ORE DRESSING.

EXPERIENCE : GEOLOGIST, DIRECTORATE OF MINES, ORISSA, 1964-66; SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, R.R.L., BHUBANESWAR, 1966-91; SCIENTIST F, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : RESEARCH IN ORE UTILISATION.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 60, TECH. REPORTS - 35, POPULAR ARTICLES - 10, PATENTS TAKEN - 3.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 3, APP. RES. - 19, TESTING - 1, SURVEY OF NATURAL RESOURCES - 1.

7343

SHRI M I ANSARI; (B. JANUARY 3, 1939),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. (ENGG) METALLURGY - RANCHI '64; M.SC. (ENGG.) MINERAL TECHNOLOGY - LONDON UNIVERSITY, U.K. '71; D.I.C. - IMPERIAL COLLEGE, LONDON '71.

SPECIALIZATIONS : METALLURGY; MINERAL TECHNOLOGY.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1965-86; (ALSO ADVANCED TRAINING IN MINERAL BENEFICIATION & EXTRACTIVE METALLURGY, U.K., 1970-72); SCIENTIST EII, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1986; (ALSO SPECIALISED TRAINING IN MINERAL PROCESSING/EQUIPMENT SELECTION UNDER INDO-FRG PROGRAMME, WEST GERMANY, 1984).

PRESENT ACTIVITIES : R & D.

LANGUAGES : URDU, HINDI, ENGLISH, GERMAN.

VISITED : U.K., W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 37, TECH. REPORTS - 47, PROCESSES DEVELOPED - 25.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 26, TECHNICAL DEV. - 10, PILOT PLANT - 18, CONSULTANCY - 10, R & D MGMT. - 2, TESTING - 10.

7344

DR SUDAM CHANDRA BASA; (B. NOVEMBER 12, 1939),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - UTKAL '58; M.SC. CHEMISTRY - UTKAL '64; PH.D. ORGANIC CHEMISTRY - CALCUTTA '68.

SPECIALIZATIONS : CHEMISTRY OF NATURAL PRODUCTS.

EXPERIENCE : J.R.A., I.C.M.R., 1965-68; S.R.A., P.D.F., SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1968-82; SCIENTIST EI, R.R.L., BHUBANESWAR 1983-89; SCIENTIST EII, R.R.L. BHUBANESWAR SINCE JANUARY, 1989.

PRESENT ACTIVITIES : R & D ON NATURAL PRODUCTS.

LANGUAGES : ORIYA, BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : INTERNATIONAL FOUNDATION FOR SCIENCE AWARD, 1979.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 26, APP. RES. - 19, CONSULTANCY - 8, SURVEY OF NATURAL PRODUCTS - 17.

7345

DR S C DAS; (B. MARCH 4, 1946),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - UTKAL '67; M.SC. PHYSICAL CHEMISTRY - UTKAL '69; PH.D. CHEMISTRY - I.I.T., KHARAGPUR '74.

SPECIALIZATIONS : ELECTRODE KINETICS; ELECTROMETALLURGY; EXTRACTION OF METAL VALUES BY HYDROMETALLURGICAL METHODS.

EXPERIENCE : LECTURER, ORISSA EDUCATION SERVICE, 1969-70; RESEARCH FELLOW, I.I.T., KHARAGPUR, 1970-74; POST DOCTORAL FELLOW, R.R.L., JORHAT, 1974-75; POOL OFFICER, R.R.L., BHUBANESWAR, 1975-77; SCIENTIST B, R.R.L., BHUBANESWAR, 1977-82; SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1982-91; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE MARCH, 1991.

PRESENT ACTIVITIES : R & D IN HYDRO AND ELECTROMETALLURGY.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 34, TECH. REPORTS - 4, PATENTS TAKEN - 2, PATENTS FILED - 9, PROCESSES DEVELOPED - 10.

AWARDS & DISTINCTIONS : RAMACHAR AWARD FOR BEST RESEARCH PAPER, ELECTROCHEMICAL SOCIETY OF INDIA, 1979-80.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 12, CONSULTANCY - 2, TEACHING - 1.

7346

SHRI SUDIPTA DAS; (B. SEPTEMBER 11, 1946),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - UTKAL '64; B.TECH. (HONS.) MECHANICAL - I.I.T., KHARAGPUR '67; CERTIFICATE IN COMPUTER PROGRAMMING - UTKAL '76. M.B.A. MARKETING - A.I.M.A. '91; M.B.A. MARKETING MANAGEMENT - A.I.M.A. '91.

SPECIALIZATIONS : DESIGN AND PROJECT ENGINEERING OF CHEMICAL AND METALLURGICAL PLANT EQUIPMENT.

EXPERIENCE : JUNIOR ENGINEER, UTKAL MACHINERY LTD., ORISSA, 1967-71; ASSISTANT ENGINEER, LARSEN & TOUBRO LTD., BOMBAY, 1971-72; PROJECT ENGINEER, WARNER HINDUSTAN LTD., HYDERABAD; 1972-74; SCIENTIST B, R.R.L., HYDERABAD, 1974-76; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1976-90; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE MAY, 1990 (ALSO VISITED U.K. FOR TRAINING IN PNEUMATIC CONVEYING SYSTEM AND IN CRUSHING & GRINDING AREAS, DEWATERING SYSTEMS FOR COAL, 1984-85).

PRESENT ACTIVITIES : INSTALLATION OF SLURRY PIPELINE PILOT PLANT AND SLURRY PREPARATION PILOT PLANT - DATA GENERATION; PROJECT CONSULTANCY TO PUBLIC UNDERTAKINGS IN PNEUMATIC TRANSPORT SYSTEM OF COAL, LECOFINES, ETC.

LANGUAGES : ORIYA, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 12, PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 6, TECHNICAL DEV. - 6, PILOT PLANT - 6, CONSULTANCY - 6, CONSTN. - 2, MAINTENANCE - 13, PRODUCTION - 3.

7347

SHRI R K GALGALI; (B. APRIL 28, 1948),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.E. METALLURGY - NAGPUR '69; M.E. METALLURGY - I.I.S.C., BANGALORE '73.

SPECIALIZATIONS : PHYSICAL METALLURGY; COMPOCASTING; PLASMA TECHNOLOGY; PURIFICATION OF METALS.

EXPERIENCE : ASSOCIATE LECTURER, REGIONAL ENGG. COLLEGE, WARANGAL, 1970-71; PROJECT ASSISTANT, I.I.S.C., BANGALORE, 1973-75; SCIENTIST B, C.E.C.R.I., KARAIKUDI, 1975-79; SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1979-86; (ALSO VISITED W. GERMANY UNDER CSIR - DAAD SCIENTIST EXCHANGE PROGRAMME TO ACQUAINT WITH THE DEVELOPMENT IN SOLAR SILICON PHOTOVOLTAIC MATERIALS, 1985); SCIENTIST EII SINCE JUNE, 1986.

PRESENT ACTIVITIES : R & D.

LANGUAGES : KANNADA, HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 1, PATENTS FILED - 2, PROCESSES DEVELOPED - 3

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APP. RES. - 12, DESIGN - 1, R & D MANAGEMENT - 1, TEACHING - 2.

7348

SHRI ARYANDRA KUMAR JOUHARI; (B. MAY 19, 1946),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - LUCKNOW '62; M.SC. PHYSICS - LUCKNOW '64; B.E. MECHANICAL - ROORKEE '68; M.S. MECHANICAL - I.I.T., MADRAS '80.

SPECIALIZATIONS : DIRECT REDUCTION OF ORES; AGGLOMERATION OF ORE FINES; COMBUSTION ENGINEERING; ROASTING OF ORES; DESIGN ENGINEERING.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1968-87; (ALSO PARTICIPATED IN TRAINING PROGRAMME FOR IRON & STEEL ENGINEERS, U.S.S.R., 1980; TRAINING ON AGGLOMERATION, WEST GERMANY, 1984) SCIENTIST EII, R.R.L., BHUBANESWAR SINCE NOVEMBER 1987.

PRESENT ACTIVITIES : SETTING UP OF AN AGGLOMERATION LABORATORY, CHROME ORE SINTERING PILOT PLANT; REDUCTION ROASTING STUDIES ON CHROMITE OVER BURDEN IN MULTIMEARTH FURNACE FOR EXTRACTION OF NICKEL.

LANGUAGES : HINDI, ENGLISH.

VISITED : U.S.S.R., W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, PATENTS TAKEN - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, PILOT PLANT - 26, CONSULTANCY - 1.

7349

DR SUKRITI BHUSAN KANUNGO; (B. JANUARY 11, 1943),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - DACCA '62; M.SC. PHYSICAL CHEMISTRY - DACCA '63; PH.D. PHYSICAL CHEMISTRY - CALCUTTA '69.

SPECIALIZATIONS : COLLOID AND SURFACE CHEMISTRY; SOLID STATE CHEMISTRY; EXTRACTIVE METALLURGY.

EXPERIENCE : LECTURER, S.A. JAIPURIA COLLEGE, CALCUTTA, 1964-65; J.R.F., BENGAL IMMUNITY RESEARCH INSTITUTE, CALCUTTA, 1965-68; S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1969-87; (ALSO ADVANCED TRAINING IN CATALYSIS, WEST GERMANY, 1974-75); SCIENTIST EII, R.R.L., BHUBANESWAR SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : R & D IN INORGANIC CHEMICALS; HYDROMETALLURGICAL EXTRACTION OF BASE METALS FROM MN - NODULE, LATERITE ETC; SOLVENT EXTRACTION, ROASTING OF ORES AND OTHER HETEROGENEOUS REACTIONS.

LANGUAGES : BENGALI, ORIYA, HINDI, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 50, TECH. REPORTS - 5, ARTICLES - 3, PATENTS TAKEN - 5, PATENTS FILED - 1, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 27, APP. RES. - 22, PILOT PLANT - 1, TEACHING - 2.

7350

DR S MAHAPATRA; (B. MAY 19, 1935),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - UTKAL '55; M.SC. CHEMISTRY - UTKAL '58; PH.D. CHEMISTRY - I.I.S.C., BANGALORE '66.

SPECIALIZATIONS : UTILISATION OF MARINE RESOURCES FOR RECOVERY OF SALT AND MARINE CHEMICALS; PREPARATION OF INDUSTRIAL INORGANIC CHEMICALS; PHYSICOCHEMICAL STUDIES ON METALLIC COMPLEXES; INSTRUMENTAL METHODS OF ANALYSIS; UTILISATION OF WASTES.

EXPERIENCE : RESEARCH ASSISTANT, I.I.S.C., BANGALORE, 1964; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1964-86; (ALSO HIGHER TRAINING IN POLAROGRAPHY, W. GERMANY, 1967-69 AND GOT ACQUAINTED WITH LATEST ANALYTICAL TECHNIQUES FOR THE ANALYSIS OF ORES, MINERALS, MARINE RESOURCES, SALT AND MARINE CHEMICALS, U S A, 1980); SCIENTIST EII, R.R.L., BHUBANESWAR SINCE APRIL, 1986.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : ORIYA, ENGLISH, GERMAN.

VISITED : W. GERMANY, U S A, HOLLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 1, PATENTS TAKEN - 4, PROCESSES DEVELOPED - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 24, CONSULTANCY - 3, SURVEY OF NATURAL RESOURCES - 1, R & D MGMT. - 2.

7351

DR B MAZUMDAR; (B. JANUARY 1, 1949),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.S. INORGANIC CHEMISTRY - HOWARD, U S A '72; PH.D. HIGH TEMPERATURE CHEMISTRY - HOWARD U S A '75; M.B.A. ADVANCED MANAGEMENT - FRANKFURT, W.GERMANY '83.

SPECIALIZATIONS : METAL CASTING COMPOUNDS; MOLTEN SALT CHEMISTRY.

EXPERIENCE : SR. RES CHEMIST, D.C.M. CHEMICALS, 1980-81; SR. DEV ENGINEER, JYOTI ENERGY DIVN, 1981-83; SCIENTIST EI, R.R.L., JOHRAT, 1983-91; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE 1991.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, ASSAMESE, ORIYA, HINDI, ENGLISH.

7352

SHRI B C MOHANTY; (B. FEBRUARY 4, 1941),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.M.E. MECHANICAL - JADAVPUR '65.

SPECIALIZATIONS : COMPOSITE MATERIALS; MATERIALS SCIENCE; HIGH PURITY MATERIALS AND SEMICONDUCTORS; PLASMA TECHNOLOGY; DESIGN ENGINEERING.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1966-87; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1987

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS/TECH. - 29, REPORTS - 5, PATENTS TAKEN - 21.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APP. RES. - 21, DESIGN - 15, TECH. DEV. - 10, CONSULTANCY - 5, R & D MGMT. - 12, CONSTRUCTION - 3, TEACHING - 2.

7353

SHRI DIBAKAR PANDA; (B. JANUARY 27, 1946),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. ENGG.(HONS.) CHEMICAL ENGINEERING - SAMBALPUR '68.

SPECIALIZATIONS : RHEOLOGY AND SLURRY PIPELINE DESIGN; ENERGY STORAGE.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1968-85; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE JULY 1990.

PRESENT ACTIVITIES : R & D; PROCESS EVALUATION; SCALING UP OF PROCESSES; ENERGY STORAGE.

LANGUAGES : ORIYA, HINDI, ENGLISH, RUSSIAN, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 19, TECH. REPORTS - 12, SCIENTIFIC BOOKS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 20, DESIGN - 13, PILOT PLANT - 12, CONSULTANCY - 5.

7354

SHRI S C PANDA; (B. JUNE 16, 1943),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.CHEM. ENGG. - BOMBAY '64; M.TECH. CHEM. ENGG. - I.I.T., MADRAS '66.

SPECIALIZATIONS : ROASTING OF ORES, MINERALS AND CONCENTRATES; PRESSURE AND ATMOSPHERE LEACHING; PROCESS MATERIAL AND ENERGY BALANCES; PROCESS ENGINEERING ECONOMICS.

EXPERIENCE : ASSOCIATE LECTURER, REGIONAL ENGINEERING COLLEGE, WARANGAL, 1967-71; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1971-87; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : RESEARCH IN ROASTING AND LEACHING OF ORES.

LANGUAGES : ORIYA, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 15, ARTICLES - 1, PATENTS TAKEN - 2, PATENTS FILED - 4, PROCESSES DEVELOPED - 2.

AWARDS & DISTINCTIONS : BINANI GOLD MEDAL FOR THE BEST PAPER ON NON-FERROUS EXTRACTIVE METALLURGY IN TRANS, IIM, 1975.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 19, TEACHING - 5.

7355

DR RAJAKISHORE PARAMGURU; (B. AUGUST 4, 1948),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(ENGG) (HONS.) METALLURGICAL ENGG. - SAMBALPUR '70; M.TECH. PROCESS METALLURGY - I.I.T., KHARAGPUR '72; PH.D. METALLURGY - I.I.T., KHARAGPUR '79.

SPECIALIZATIONS : HYDRO AND ELECTROMETALLURGY; PROCESS ENGINEERING AND EVALUATION; METALLURGICAL KINETICS; MINERAL BENEFICIATION.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1973-91; (ALSO VISITED WEST GERMANY FOR POST DOCTORAL RESEARCH IN THE AREA OF DIRECT ELECTROWINNING OF METALS FROM THEIR SULPHIDE SLURRY ANODE, 1983-85); SCIENTIST EII, R.R.L., BHUBANESWAR SINCE SEPTMEBER, 1991.

PRESENT ACTIVITIES : RESEARCH, DESIGN AND PILOT PLANT OPERATION IN THE AREA OF HYDRO & ELECTROMETALLURGY.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 23, TECH. REPORTS - 9, ARTICLES - 3, PATENTS FIELD - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 19, APP. RES. - 18, DESIGN - 6, PILOT PLANT - 6.

7356

DR ASHUTOSH PARIDA; (B. OCTOBER 28, 1945),
SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - SAMBALPUR '68; PH.D. MECHANICAL - I.I.T., KHARAGPUR '79.

SPECIALIZATIONS : FLUID-SOLID FLOW SYSTEMS; HYDROTRANSPORT THROUGH PIPELINES; DESIGN OF PROCESS EQUIPMENT; DESIGN OF HIGH TEMPERATURE SYSTEMS.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C AND SCIENTIST EI R.R.L., BHUBANESWAR, 1968-89; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 9, PATENTS TAKEN - 5, PRODUCTS DEVELOPED - 5, PRODUCTS UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 12, DESIGN - 9, TECH. DEV. - 11.

7357

DR T P PRASAD; (B. APRIL 14, 1938),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. CHEMISTRY - ANDHRA '58; M.SC. INORGANIC CHEMISTRY - ANDHRA '61; PH.D. SOLID STATE CHEMISTRY - ANDHRA '66; D.SC. CHEMISTRY OF IRON(II) SULPHATE AND CHLORIDE.

SPECIALIZATIONS : THERMOCHEMISTRY AND MECHANISMS OF HETEROGENEOUS INORGANIC REACTIONS; INORGANIC CHEMICAL ANALYSIS; PROCESS DEVELOPMENT OF INORGANIC CHEMICALS (SPECIALLY PIGMENTS).

EXPERIENCE : DEMONSTRATOR, ANDHRA LOYOLA COLLEGE, VIJAYAWADA, 1958-59; DEMONSTRATOR AND RESEARCH FELLOW, ANDHRA UNIVERSITY, 1961-66; S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1966-87; (ALSO ADVANCED RESEARCH, UNDER DAAD - CSIR SCIENTIST EXCHANGE PROGRAMME, IN THE FIELD OF KINETICS, THERMOCHEMISTRY AND MECHANISM OF HETEROGENEOUS INORGANIC REACTION, W. GERMANY, 1970-71); SCIENTIST EII, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : CONSULTANCY CHEMICAL ANALYSIS; POLLUTION STUDIES; THERMAL ANALYSIS.

LANGUAGES : TELUGU, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 54, TECH. REPORTS - 23, ARTICLES - 3, PATENTS TAKEN - 5, PATENTS FILED - 5, PROCESSES DEVELOPED - 14, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : FELLOW, INSTITUTION OF CHEMISTS (INDIA), 1968; FELLOW, INDIAN THERMAL ANALYSIS SOCIETY, 1978; MERIT AWARD, A C S, U S A, 1977.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 30, APP. RES. - 25, CONSULTANCY - 11, R & D MGMT. - 7, TEACHING - 16.

7358

DR J RAJAGOPALA RAO; (B. NOVEMBER 15, 1943),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - ANDHRA '62; M.SC. CHEMISTRY - ANDHRA '64; PH.D. CHEMISTRY - ANDHRA '72.

SPECIALIZATIONS : PRECIPITATION FROM HOMOGENEOUS SOLUTION; DEVELOPMENT OF NEW ANALYTICAL PROCEDURES; DEVELOPMENT OF CATALYSTS; DEVELOPMENT OF INDUSTRIAL INORGANIC CHEMICALS.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1968-87; (ALSO ADVANCED RESEARCH ON HOMOGENEOUSLY PRECIPITATED IRON-CHROMIUM OXIDES AS CATALYSTS FOR HIGH TEMPERATURE SHIFT CONVERSION, WEST GERMANY, 1974-76); SCIENTIST EII, R.R.L., BHUBANESWAR 1987.

PRESENT ACTIVITIES : R & D IN INDUSTRIAL INORGANIC CHEMICALS.

LANGUAGES : TELUGU, HINDI, ORIYA, ENGLISH, GERMAN.

VISITED : W. GERMANY, U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 31, TECH. REPORTS - 4, PATENTS TAKEN - 7, PROCESSES DEVELOPED - 12.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 27, APP. RES. - 22.

7359

SHRI K MADHUSUDANA RAO; (B. JULY 14, 1940),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMICAL TECHNOLOGY - ANDHRA '60; M.SC. (ENGG.) CHEMICAL PLANT DESIGN AND CHEMICAL ENGINEERING - ANDHRA '61.

SPECIALIZATIONS : DESIGN OF PROCESS PLANTS; SEPARATION TECHNIQUES IN CHEMICAL PROCESSES; UTILISATION OF AGRO/FOREST RESIDUES.

EXPERIENCE : S.S.A., N.C.L., PUNE, 1962-64; SCIENTIST B, C.S.M.C.R.I., BHAVNAGAR, 1964-68; SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1968-89; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 6, ARTICLES - 1, PATENTS TAKEN - 8, PROCESSES DEVELOPED - 12, PROCESSES UNDER UTILISATION - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, DESIGN - 10.

7360

DR Y RAMACHANDRA RAO; (B. OCTOBER 19, 1942),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - UTKAL '61; M.SC. ORGANIC CHEMISTRY - B.H.U. '63; PH.D. ORGANIC CHEMISTRY - B.H.U. '68.

SPECIALIZATIONS : HETEROCYCLIC CHEMISTRY; PROCESS DEVELOPMENT OF ORGANIC CHEMICALS.

EXPERIENCE : LECTURER, KHARAGPUR COLLEGE, KHARAGPUR, 1963-64; J.R.F., B.H.U. AND NAGPUR UNIVERSITY, 1964-67; LECTURER, V.R. COLLEGE OF ENGINEERING, NAGPUR, 1967-71; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1971-87; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE AUGUST, 1987.

PRESENT ACTIVITIES : R & D; PROCESS DEVELOPMENT.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 28, TECH. REPORTS - 15, ARTICLES - 2, PATENTS TAKEN - 7, PATENTS FILED - 2, PROCESSES DEVELOPED - 14, PROCESSES UNDER UTILISATION - 7.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 20, CONSULTANCY - 2, TEACHING - 5.

7361

DR RAJENDER SINGH ROHELLA; (B. OCTOBER 25, 1941),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.E., ELECTRICAL - DELHI '65; PH.D. ELECTRONICS ENGG.-I.I.T., KHARAGPUR '81.

SPECIALIZATIONS : ELECTRONIC INSTRUMENTATION; SLURRY TRANSPORTATION; MICROPROCESSOR AND COMPUTER SYSTEMS; CATHODIC PROTECTION SYSTEM; ULTRASONIC EQUIPMENTS; BIOGAS.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1965-86; (ALSO ADVANCED TRAINING IN SLURRY TRANSPORTATION AND ELECTRONIC INSTRUMENTATION, CANADA AND U S A, 1983); SCIENTIST EII, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D IN ELECTRONIC AND MICROPROCESSOR INSTRUMENTATION, SLURRY TRANSPORTATION, CATHODIC PROTECTION AND BIOGAS.

LANGUAGES : HINDI, PUNJABI, ORIYA, GERMAN.

VISITED : CANADA, U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 45, TECH. REPORTS - 16, ARTICLES - 3, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : CERTIFICATE OF MERIT FOR THE DEVELOPMENT OF ULTRASONIC THERAPY UNIT, NRDC, 1977.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, DESIGN - 20, PILOT PLANT - 12, TEACHING - 2, COMPUTER PROCESSING - 6.

7362

DR P K SAHOO; (B. APRIL 20, 1945),SCIENTIST EII, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.**QUALIFICATIONS** : B.SC.(ENGG) METALLURGY - SAM-
BALPUR '68; PH.D. EXTRACTIVE METALLURGY - I.I.T.,
KHARAGPUR '78; DIPLOMA IN MANAGEMENT - N.D.U.
'89.**SPECIALIZATIONS** : NON-FERROUS EXTRACTIVE MET-
ALLURGY; HYDROMETALLURGY; THERMODYNAMICS AND
KINETICS; AGGLOMERATION.**EXPERIENCE** : S.S.A., SCIENTIST B AND SCIENTIST C,
R.R.L., BHUBANESWAR, 1968-84; (ALSO TRAINING IN U.K. UN-
DER CSIR & BRITISH COUNCIL EXCHANGE PROGRAMME,
1978, AND PART-TIME LECTURER, ORISSA UNIV. OF AGRI. &
TECH., ORISSA, 1983); SCIENTIST EI, R.R.L., BHUBANESWAR,
1984-89; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE JULY,
1989.**PRESENT ACTIVITIES** : RESEARCH IN HYDRO AND ELEC-
TROMETALLURGY; SPECIAL MATERIALS.**LANGUAGES** : ORIYA, HINDI, BENGALI, ENGLISH.**VISITED** : U.K., U.S.A**PUBLICATIONS & PATENTS** : RES. PAPERS - 25, TECH.
REPORTS - 2, PATENTS TAKEN - 4.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES.
- 4, APP. RES. - 19, TEACHING - 1.

7363

SHRI JYOTIRANJAN SAHU; (B. APRIL 8, 1945),SCIENTIST EII, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.**QUALIFICATIONS** : B.SC. - UTKAL '64; M.TECH. APPLIED
GEOLOGY - RAVISHANKAR '67; D.I.I.T. GEO-CHEMISTRY
- I.I.T., KHARAGPUR '69.**SPECIALIZATIONS** : APPLIED GEOLOGY; GEOCHEMIS-
TRY; DISSEMINATION OF TECHNICAL INFORMATION; PLAN-
NING OF R & D PROJECTS; INDUSTRIAL LIAISON AND
COORDINATION.**EXPERIENCE** : S.S.A., SCIENTIST B AND SCIENTIST C,
R.R.L., BHUBANESWAR, 1968-82; (ALSO ADVANCED TRAIN-
ING & RESEARCH IN APPLIED GEOLOGY AND GEO-CHEMIS-
TRY, UNDER CSIR-DAAD EXCHANGE PROGRAMME,
W.GERMANY, 1973-74); SCIENTIST EI, R.R.L., BHUBANESWAR,
1982-88; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE NO-
VEMBER 1988.**PRESENT ACTIVITIES** : INFORMATION DISSEMINATION;
PLANNING AND COORDINATION.**LANGUAGES** : ORIYA, HINDI, BENGALI, ENGLISH, GER-
MAN.**VISITED** : W. GERMANY.**PUBLICATIONS & PATENTS** : RES. PAPERS - 15.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES.
- 10, APP. RES. - 10, R & D MANAGEMENT - 4, TECHNO-
ECONOMIC SURVEYS - 4, PLANNING - 5, EDITING - 5, DOCU-
MENTATION - 4, REPROGRAPHY - 4.

7364

SHRI S R S SASTRI; (B. NOVEMBER 16, 1942),SCIENTIST EII, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.**QUALIFICATIONS** : B.TECH. CHEMICAL ENGINEERING -
ANDHRA '62.**SPECIALIZATIONS** : CHEMICAL ENGINEERING; MINERAL
PROCESSING.**EXPERIENCE** : S.S.A., N.C.L., PUNE, 1963-68; SCIENTIST B,
SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1968-
87; (ALSO TRAINING IN MINERAL PROCESSING PLANTS/PI-
LOT PLANTS AND EXPERIMENTAL DESIGN, BULGARIA,
1975-76); SCIENTIST EII, R.R.L., BHUBANESWAR SINCE FEB-
RUARY, 1987.**PRESENT ACTIVITIES** : R & D.**LANGUAGES** : TELUGU, HINDI, ENGLISH.**VISITED** : BULGARIA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 48, TECH.
REPORTS - 20, PATENTS TAKEN - 3, PROCESSES DEVELOPED
- 15, PROCESSES UNDER UTILISATION - 6.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. -
22, PILOT PLANT - 6.

7365

DR H O SAXENA; (B. JULY 20, 1938),SCIENTIST EII, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.**QUALIFICATIONS** : B.SC. - AGRA '57; M.SC. BOTANY -
AGRA '59; PH.D. BOTANY - AGRA '63.**SPECIALIZATIONS** : PLANT TAXONOMY; ETHNOBO-
TANY; CULTIVATION OF MEDICINAL AND AROMATIC
PLANTS; PHYTOCHEMICAL SURVEYS; MINE AREA RECLA-
MATION.**EXPERIENCE** : SENIOR RESEARCH SCHOLAR, FOREST RE-
SEARCH INSTITUTE, DEHRA DUN, 1959-63; BOTANIST, SUR-
VEY OF MEDICINAL PLANTS, HARDWAR, 1963-64; FOREST
BOTANIST, STATE FOREST RESEARCH INSTITUTE,
JABALPUR, 1964-69; S.T.A., NATIONAL BOTANICAL RE-
SEARCH INSTT., LUCKNOW, 1969-71; SCIENTIST B, SCIENTIST
C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1971-87; SCIE-
NTIST EII, R.R.L., BHUBANESWAR SINCE AUGUST, 1987.**PRESENT ACTIVITIES** : RESEARCH ON MEDICINAL AND
OTHER ECONOMIC PLANTS AND FLORISTIC BOTANY.**LANGUAGES** : HINDI, ENGLISH, ORIYA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 60, TECH.
REPORTS - 3, SCIENTIFIC BOOKS - 3, ARTICLES - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES.
- 20, CONSULTANCY - 1, SURVEY OF NATURAL RESOURCES -
32, TECHNO-ECONOMIC SURVEYS - 20, ADMN. - 20, EXTEN-
SION - 16, CULTIVATION OF AROMATIC AND MEDICINAL
PLANTS - 20, MINE AREA RECLAMATION - 3.

7366

**DR CHAKKIRALA SRINIVASULU; (B. FEBRU-
ARY 28, 1937),**SCIENTIST EII, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS : B.SC. - ANDHRA '54; B.SC.(HONS) CHEMISTRY - ANDHRA '57; M.SC. ORGANIC CHEMISTRY - ANDHRA '58; PH.D. ORGANIC CHEMISTRY - ANDHRA '67.

SPECIALIZATIONS : ORGANIC CHEMISTRY OF NATURAL PRODUCTS.

EXPERIENCE : DEMONSTRATOR, ANDHRA UNIVERSITY, WALT AIR, 1958-59 AND 1962-64; RESEARCH ASSISTANT, ASSISTANT RESEARCH OFFICER AND ASSOCIATE LECTURER, ANDHRA UNIVERSITY, WALT AIR, 1964-68; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR 1968-90; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, HINDI, ORIYA, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 37, ARTICLES - 4, PATENTS TAKEN - 5, PROCESSES REPORTS - 5, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 22, TEACHING - 3.

7367

SHRI A SURYANARAYANA; (B. DECEMBER 9, 1941),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - ANDHRA '60; M.SC. ANALYTICAL CHEMISTRY - ANDHRA '61.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY; PREPARATION AND TESTING OF PIGMENTS; INDUSTRIAL INORGANIC CHEMICALS; CHEMICAL KINETICS.

EXPERIENCE : DEMONSTRATOR, ANDHRA UNIVERSITY, 1961-62; J.R.F., S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1962-89; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE AUGUST, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, HINDI, ORIYA, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, PATENTS TAKEN - 3, PATENTS FILED - 1, PROCESSES DEVELOPED - 7, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 22, APP. RES. - 19, TEACHING - 3.

7368

DR K M SWAMY; (B. AUGUST 3, 1946),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - ANDHRA '64; M.SC. (TECH.) APPLIED PHYSICS - ANDHRA '67; PH.D. ULTRASONICS - ANDHRA '74.

SPECIALIZATIONS : ULTRASONIC INSTRUMENTATION; ELECTRONIC CIRCUITRY; APPLIED OPTICS.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR, 1971-87; (ALSO ADVANCED TRAINING UNDER DAAD FELLOWSHIP, WEST GERMANY, 1977-78); SCIENTIST EII, R.R.L., BHUBANESWAR SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : DEVELOPMENT AND IMPLEMENTATION OF ACOUSTIC BURNERS.

LANGUAGES : TELUGU, HINDI, ORIYA, ENGLISH, GERMAN.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 60, TECH. REPORTS - 4, ARTICLES - 2, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 3, PATENTS FILED - 1, PROCESSES UNDER UTILISATION - 3.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEVELOPMENT OF ULTRASONIC THERAPY UNIT, 1977; NRDC AWARD FOR DEVELOPMENT OF AN IMPROVED LIQUID FUEL BURNER, 1987.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 19, APP. RES. - 16, DESIGN - 8, TESTING - 4.

7369

DR R S THAKUR; (B. FEBRUARY 14, 1942),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. ANALYTICAL CHEMISTRY - SAUGAR '66; PH.D. ANALYTICAL CHEMISTRY - SAUGAR '70.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY; INSTRUMENTAL CHEMICAL ANALYSIS; UTILISATION OF INDUSTRIAL WASTES; CHEMICAL PROCESS DEVELOPMENT; CATALYSIS.

EXPERIENCE : S.S.A., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR 1968-88; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE NOVEMBER 1988.

PRESENT ACTIVITIES : R & D IN INORGANIC CHEMICALS AND INDUSTRIAL WASTES; INSTRUMENTAL ANALYSIS; MAINTENANCE; CATALYSIS PROCESSES.

LANGUAGES : PUNJABI, HINDI, ORIYA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 36, SCIENTIFIC BOOKS - 1, PATENTS TAKEN - 7, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 20.

7370

SHRI A K TRIPATHY; (B. MAY 7, 1945),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - UTKAL '66; B.E. METALLURGY - RAVISHANKAR '70; M.E. EXTRACTIVE METALLURGY - ROORKEE '72.

SPECIALIZATIONS : EXTRACTIVE METALLURGY; DIRECT REDUCTION OF IRON ORE; AGGLOMERATION OF ORE FINES; ROASTING OF ORES.

EXPERIENCE : S.R.F., SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., BHUBANESWAR 1972-89; SCIENTIST EII, R.R.L., BHUBANESWAR SINCE JULY, 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, ARTICLES - 1, PAPERS PRESENTED - 15, PATENTS TAKEN - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15.

7371

DR BHABANI SANKAR ACHARYA; (B. JANUARY 15, 1950),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) PHYSICS - UTKAL '70; M.SC. PHYSICS - SAMBALPUR '72; PH.D. SOLID STATE PHYSICS - I.I.T., KHARAGPUR '82.**SPECIALIZATIONS** : SOLID STATE PHYSICS; X-RAY FLUORESCENCE; X-RAY DIFFRACTION; THIN FILM CHARACTERISATION.**EXPERIENCE** : LECTURER, EDUCATION DEPT., GOVT. OF ORISSA, 1973-76; RESEARCH BHUBANESWAR, 1980-85; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE APRIL, 1991.**PRESENT ACTIVITIES**: X-RAY FLUORESCENCE AND X-RAY DIFFRACTION STUDIES ON ORES, MINERALS, BENEFICIATED PRODUCTS AND SEMICONDUCTORS; THIN FILMS AND PLASMA DIAGNOSTICS.**LANGUAGES** : ORIYA, HINDI, ENGLISH, GERMAN.**PUBLICATIONS & PATENTS** : RES. PAPERS - 35, ARTICLES - 3, PAPERS IN SYMPOSIA - 23, POPULAR SCIENCE BOOKS UNDER PUBLICATIONS - 4, PROJECT REPORTS - 3.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 14, APP. RES. - 14, TEACHING - 4, COMPUTER PROGRAMMING - 5.

7372

DR BHASKAR CHANDRA ACHARYA; (B. MARCH 2, 1953),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) GEOLOGY - BERHAMPUR '73; M.SC. GEOLOGY - UTKAL '75; PH.D. GEOLOGY - UTKAL '81.**SPECIALIZATIONS** : ECONOMIC GEOLOGY.**EXPERIENCE** : J.R.F. AND S.R.F., UTKAL UNIVERSITY, 1976-78; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1978-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE AUGUST, 1988.**PRESENT ACTIVITIES** : R & D ON UTILISATION OF MINERAL RESOURCES.**LANGUAGES** : ORIYA, HINDI, ENGLISH.**VISITED** : W. GERMANY.**PUBLICATIONS & PATENTS** : RES. PAPERS - 40, TECH. REPORTS - 12.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 8, APP. RES. - 14, TESTING - 4, SURVEY OF NATURAL RESOURCES - 4.

7373

DR(MRS) SHASHI ANAND; (B. DECEMBER 3, 1948),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - DELHI '68; M.SC. CHEMISTRY - I.I.T., DELHI '71; PH.D. PHYSICAL CHEMISTRY - I.I.T., DELHI '77.**SPECIALIZATIONS** : PHYSICAL CHEMISTRY; HYDROMETALLURGY.**EXPERIENCE** : POST-DOCTORAL FELLOW AND RESEARCH ASSOCIATE, R.R.L., BHUBANESWAR, SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1977-85; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE AUGUST, 1988.**PRESENT ACTIVITIES** : DEVELOPMENT OF LEACHING ROUTES TO EXTRACT NON-FERROUS METAL FROM ORES AND WASTE PRODUCTS.**LANGUAGES** : HINDI, PUNJABI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 4, PATENTS FILED - 3, PROCESSES DEVELOPED - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 3, APP. RES. - 3.

7374

SHRI GOPINATH BANERJEE; (B. FEBRUARY 1, 1949),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '69; B.TECH. CHEMICAL ENGINEERING - CALCUTTA '72; M.TECH. CHEMICAL ENGINEERING - CALCUTTA '75.**SPECIALIZATIONS** : CHEMICAL ENGINEERING; ROASTING OF ORES; SINTERING ORES.**EXPERIENCE** : PRODUCTION ENGINEER, PIGMENTS & CHROMITE INDIA (PVT). LTD., CALCUTTA, 1976-80; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1980-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1989.**PRESENT ACTIVITIES** : R & D ON ROASTING OF VARIOUS ORES AND SINTERING.**LANGUAGES** : BENGALI, HINDI, NEPALI, ORIYA, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 8, TECH. REPORTS - 9, PATENTS FILED - 2, PROCESSES DEVELOPED - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 8, PRODUCTION - 4.

7375

DR MARINGANTIBAPUJI; (B. JANUARY 3, 1948),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. ORGANIC CHEMISTRY - ANDHRA '68; PH.D. CHEMISTRY OF NATURAL PRODUCTS - ANDHRA '75.**SPECIALIZATIONS** : CHEMISTRY OF NATURAL PRODUCTS; PROCESS DEVELOPMENT FOR ORGANIC CHEMICALS.**EXPERIENCE** : DEMONSTRATOR, MRS. A.V.N. COLLEGE, VISAKHAPATNAM, 1971-73; S.S.A. SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1973-82; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE APRIL, 1988.**PRESENT ACTIVITIES** : R & D.**LANGUAGES** : TELUGU, HINDI, ORIYA, ENGLISH, GERMAN, RUSSIAN.**VISITED** : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 7, PATENTS TAKEN - 3, PATENTS FILED - 4, PROCESSES DEVELOPED - 8, PROCESSES UNDER UTILISATION - 5.
PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APP. RES. - 12, TEACHING - 1.

7376

SHRI SUMITRA KUMAR BHAUMIK; (B. SEPTEMBER 7, 1946),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '66; B.TECH. (HONS.) CHEMICAL ENGINEERING - I.I.T., KHARAGPUR '69; M.TECH. CHEMICAL PLANT DESIGN & FABRICATION - I.I.T., KHARAGPUR '80.

SPECIALIZATIONS : CHEMICAL PLANT DESIGN & FABRICATION; PULP AND PAPER TECHNOLOGY; MINERAL BENEFICIATION.

EXPERIENCE : S.S.A., SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR 1971-86; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : R & D IN MINERAL BENEFICIATION.

LANGUAGES : BENGALI, ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17.

7377

DR MOPURI BRAHMAM; (B. JUNE 2, 1948).

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. BOTANY - SAUGAR '71; PH.D. BOTANY - UTKAL '82.

SPECIALIZATIONS : TAXONOMY; FLORISTIC BOTANY; FAST GROWING TREES; ETHNOBOTANY; PHYTOCHEMICAL SCREENING.

EXPERIENCE : LECTURER, A.C. COLLEGE, GUNTUR, 1971-73; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1973-91; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : FLORISTIC AND RESOURCES SURVEY OF FOREST WEALTH; R & D IN AROMATIC AND MEDICINAL PLANTS.

LANGUAGES : TELUGU, HINDI, ORIYA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : TEACHING - 2, SURVEY OF NATURAL RESOURCES - 18.

7378

DR GAUTAM ROY CHAUDHURY; (B. APRIL 29, 1954),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) - UTKAL '73; M.SC. CHEMISTRY - UTKAL '75; PH.D. CHEMISTRY - UTKAL '81.

SPECIALIZATIONS : INORGANIC COMPLEX CHEMISTRY; BACTERIAL LEACHING; CEMENTATION; SOLVENT EXTRACTION.

EXPERIENCE : S.R.F. AND POST-DOCTORAL FELLOW, R.R.L., BHUBANESWAR, 1980-81; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1981-86; (ALSO ADVANCED TRAINING IN BIOLEACHING, BULGARIA, 1985-86); SCIENTIST EI, R.R.L., BHUBANESWAR SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : RESEARCH IN BIOLEACHING, CEMENTATION AND SOLVENT EXTRACTION.

LANGUAGES : BENGALI, ORIYA, HINDI, ENGLISH.

VISITED : BULGARIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 3, PATENTS TAKEN - 1, PATENTS FILED - 1, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 6, PILOT PLANT - 2, CONSULTANCY - 1.

7379

DR BISWESWAR DAS; (B. JULY 1, 1953),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. CHEMISTRY - SAMBALPUR '75; PH.D. CHEMISTRY - SAMBALPUR I.S.M., '85; M.TECH. MINERAL ENGINEERING - I.S.M. DHANBAD, '91.

SPECIALIZATIONS : COORDINATION CHEMISTRY; MINERAL ENGINEERING.

EXPERIENCE : LABORATORY ASSISTANT, ROURKELA STEEL PLANT, ROURKELA, 1975-77; ASSISTANT CHEMIST, ASSOCIATED CEMENT CO. LTD., 1977-82; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1982-90; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE MAY, 1990.

PRESENT ACTIVITIES : R & D IN MINERAL BENEFICIATION AND ANALYTICAL CHEMISTRY.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS - 1, REPORTS - 16.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. APPLIED RES. & TESTING (TOTAL 15 YEARS) - PAPERS - 28, PATENTS - 1, REPORTS - 16.

7380

DR SURENDRA NATH DAS; (B. NOVEMBER 24, 1947),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - UTKAL '69; M.SC. INORGANIC CHEMISTRY - UTKAL '71; PH.D. INORGANIC CHEMISTRY - UTKAL '80.

SPECIALIZATIONS : INORGANIC CHEMISTRY; PROCESS DEVELOPMENT.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR 1973-90; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE MARCH, 1990.

PRESENT ACTIVITIES : R & D IN SALT, MARINE CHEMICALS, FERTILIZERS AND METALLURGICAL WASTE UTILISATION; POLLUTION MONITORING AND PREVENTION.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 4, PATENTS TAKEN - 4, PROCESSES DEVELOPED - 8, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 9, APP. RES. - 16, CONSULTANCY - 4, SURVEY OF NATURAL RESOURCES - 2.

7381

SHRI PARTHASARATHI DATTA; (B. APRIL 21, 1953),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.E. METALLURGY - NAGPUR '75; M.TECH. METALLURGY - I.I.T. KHARAGPUR '78.

SPECIALIZATIONS : CORROSION; EXTRACTIVE METALLURGY.

EXPERIENCE : S.S.A., C.E.C.R.I., KARAIKUDI, 1979-80; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1980-89; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE NOVEMBER, 1989.

PRESENT ACTIVITIES : R & D IN EXTRACTIVE METALLURGY; UTILISATION OF INDUSTRIAL SLAG TO RECOVER ITS METAL VALUES.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4.

7382

SHRI SUDIP KUMAR DEBROY; (B. MAY 8, 1947),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.E. ELECTRONICS & TELECOMMUNICATION - JADAVPUR '70; M.E. ELECTRONICS & TELECOMMUNICATION - JADAVPUR '85.

SPECIALIZATIONS : ELECTRONICS; ULTRASONIC ENGINEERING; ELECTROCHEMICAL INSTRUMENTATION.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, R.R.L., 1971-84; (ALSO ADVANCED TRAINING IN SERVICE AND MAINTENANCE OF ANALYTICAL INSTRUMENTS, U.K., 1978); SCIENTIST EI, R.R.L., BHUBANESWAR SINCE DECEMBER, 1990.

PRESENT ACTIVITIES : ULTRASONIC, ELECTRONIC AND ELECTROCHEMICAL INSTRUMENTATION.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9, DESIGN - 9, TESTING - 9, MAINTENANCE - 9.

7383

SHRI J L GUMASTE; (B. JUNE 1, 1949),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.E. METALLURGY - MYSORE '70; M.TECH. PHYSICAL METALLURGY - I.I.T., BOMBAY '72.

SPECIALIZATIONS : PHYSICAL METALLURGY; DEVELOPMENT OF FERRITES; HIGH TEMPERATURE ELECTRICAL RESISTANCE FURNACES.

EXPERIENCE : PROJECT ENGINEER, M/S TEMPO SEMICONDUCTORS LTD., BOMBAY, 1972-75; METALLURGICAL ENGINEER, M/S SAHNEY KIRKWOOD, VIDYAVIHAR, BOMBAY, 1975-76; S.S.A., CENTRAL DOCKYARD LABORATORY, VISAKHAPATNAM, 1976-78; SCIENTIST B, SCIENTIST C, R.R.L., BHUBANESWAR, 1978-88; (ALSO TRAINING IN CARBON TECHNOLOGY, INDIAN CARBON SOCIETY); SCIENTIST EI, R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : PLASMA ARC MELTING OF ALLOYS.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, TECH. REPORTS - 6, PATENTS TAKEN - 2, PATENTS FILED - 1, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, APP. RES. - 8, DESIGN - 1, R & D MGMT. - 3, TESTING - 1.

7384

SHRI SURENDRA KHUNTIA; (B. OCTOBER 4, 1950),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - SAMBALPUR '74; M.TECH. MECHANICAL ENGINEERING - SAMBALPUR '76.

SPECIALIZATIONS : MACHINE DESIGN; PROCESS EQUIPMENTS AND FURNACES; HYDRAULIC TRANSPORTATION OF SOLIDS IN PIPE LINES; COMBUSTION SYSTEMS AND NON-CONVENTIONAL ENERGY SOURCES.

EXPERIENCE : LECTURER, REGIONAL ENGINEERING COLLEGE, ROURKELA, 1976-77; JUNIOR ENGINEER (DESIGN), ORISSA CONSTRUCTION CORPORATION LTD., BHUBANESWAR, 1977-78; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1978-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF PROCESS EQUIPMENTS; HYDRAULIC TRANSPORTATION OF SOLIDS IN PIPELINE COMBUSTION SYSTEMS AND DEVELOPMENT OF ENERGY SAVING DEVICES IN NON-CONVENTIONAL ENERGY SOURCES.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, PATENTS SEALED - 2, REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12, DESIGN - 12, TECH. DEV. - 12, CONSULTANCY - 6, MAINTENANCE - 4, TEACHING - 1, TECHNO - ECONOMIC SURVEYS - 5.

7385

DR BIBHUPADA MOHANTY; (B. APRIL 14, 1946),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - SAMBALPUR '68; PH.D. METALLURGICAL ENGINEERING - I.I.T. KHARAGPUR '90.

SPECIALIZATIONS : CHEMICAL ENGINEERING; CORROSION.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1968-87; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE JULY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 6, SCIENTIFIC BOOKS - 1, ARTICLES - 2, PATENTS TAKEN - 8, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 10, DESIGN - 5, TECH. DEV. - 10, CONSULTANCY - 1, TESTING - 1, SURVEY OF NATURAL RESOURCES - 1, TECH. TRANSFER - 1.

7386

SHRI BIRENDRA KUMAR MOHAPATRA; (B. APRIL 15, 1952),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) GEOLOGY - UTKAL '71; M.SC. GEOLOGY - UTKAL '73.

SPECIALIZATIONS : ECONOMIC GEOLOGY; MINERAL CHARACTERISATION; GROUNDWATER AND ENGINEERING GEOLOGY.

EXPERIENCE : LECTURER, KEONJHAR COLLEGE, ORISSA, 1974; GEOLOGICAL ASSISTANT, ROURKELLA STEEL PLANT, ROURKELLA, 1975; GEOLOGIST, GEOLOGICAL SURVEY OF INDIA, BHOPAL, 1975-81, SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1981-89; (ALSO TRAINING ON ELECTRON MICROSCOPY, JAPAN '86); SCIENTIST EI, R.R.L., BHUBANESWAR SINCE JANUARY, 1989.

PRESENT ACTIVITIES : MINERAL CHARACTERISATION OF ORES, MINERALS AND THEIR PROCESS DERIVATIVES.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

VISITED : JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 6, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 8, QUALITY CONTROL - 1, SURVEY OF NAT. RESOURCES - 5.

7387

DR J MURALIDHAR; (B. DECEMBER 19, 1948),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. INORGANIC CHEMISTRY - ANDHRA '69; PH.D. INORGANIC CHEMISTRY - '87.

SPECIALIZATIONS : SOLVENT EXTRACTION THERMAL ANALYSIS; ANALYTICAL CHEMISTRY; UTILISATION OF WASTES AND BY-PRODUCTS.

EXPERIENCE : DEMONSTRATOR, HINDU COLLEGE, MASULI PATNAM, A.P., 1969-70; J.R.F., ANDHRA UNIVERSITY, 1970-73; S.S.A., SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1973-91; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, HINDI, ORIYA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 4, PATENTS TAKEN - 4, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18.

7388

DR KALLEPALLY LAKSHMI NARAYANA; (B. SEPTEMBER 18, 1944),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - ANDHRA '62; M.SC. (TECH.) APPLIED PHYSICS - ANDHRA '65; PH.D. ULTRASONICS - UTKAL '83.

SPECIALIZATIONS : INDUSTRIAL ULTRASONICS; ULTRASONIC INSTRUMENTATION.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1975-90; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE AUGUST, 1990.

PRESENT ACTIVITIES : DEVELOPMENT OF ACOUSTIC BURNERS.

LANGUAGES : TELUGU, HINDI, ORIYA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 50, TECH. REPORTS - 3, ARTICLES - 3, PATENTS TAKEN - 1, PATENTS FILED - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEVELOPMENT OF IMPROVED LIQUID FUEL BURNER, 1987.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 18, APP. RES. - 12, DESIGN - 4, TESTING - 3, TEACHING - 2.

7389

DR R NAYAK; (B. FEBRUARY 18, 1945),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - UTKAL '68; M.SC. CHEMISTRY - UTKAL '78; PH.D. CHEMISTRY '90.

SPECIALIZATIONS : THERMAL CHARACTERISATION; WASTE UTILISATION; PIGMENTS.

EXPERIENCE : J.L.A., S.L.A., J.T.A., S.T.A., SCIENTIST A, TECHNICAL OFFICER (B) AND SCIENTIST C, R.R.L., BHUBANESWAR, 1969-91; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : PREPARATION AND CHARACTERISATION OF PIGMENTS AND CATALYSTS.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, PATENTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 9, TESTING - 22.

7390

SHRI MADHAB RANJAN PANIGRAHI; (B. JUNE 1, 1951),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMICAL ENGINEERING - SAMBALPUR '73; M.TECH. CHEMICAL ENGINEERING - I.I.T., MADRAS '75.

SPECIALIZATIONS : SLURRY TRANSPORTATION; CORROSION; MATHEMATICAL MODELING AND SIMULATION; DESIGN AND DEVELOPMENT OF CHEMICAL PROCESS PLANTS AND EQUIPMENT

EXPERIENCE : SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1978-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT OF CHEMICAL ENGINEERING EQUIPMENT; PROCESS DEVELOPMENT; MATHEMATICAL MODELLING AND SIMULATION IN CHEMICAL ENGINEERING.

LANGUAGES : ORIYA, HINDI, TELUGU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 10, ARTICLES - 8, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 5, DESIGN - 4, TECH. DEV. - 2, CONSULTANCY - 1, TESTING - 1, TECHNOECONOMIC SURVEYS - 1.

7391

DR KULAMANI PARIDA; (B. MAY 9, 1952),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - UTKAL '73; M.SC. CHEMISTRY - BIRHAMPUR '76; PH.D. CHEMISTRY - UTKAL '81.

SPECIALIZATIONS : SOLID STATE CHEMISTRY; CATALYSIS; SURFACE CHEMISTRY.

EXPERIENCE : LECTURER, STEWART SCIENCE COLLEGE, CUTTACK, 1976-77; RESEARCH SCHOLAR, S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, BHUBANESWAR, 1977-87; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE MARCH, 1987.

PRESENT ACTIVITIES : RESEARCH IN SURFACE CHEMISTRY.

LANGUAGES : ORIYA, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 34, ARTICLES - 10, PATENTS TAKEN - 3, PATENTS FILED - 5.

AWARDS & DISTINCTIONS : FERROGUARD AWARD FOR THE BEST PAPER PUBLISHED IN THE JOURNAL OF THE ELECTROCHEMICAL SOCIETY OF INDIA, 1984.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 14, APP. RES. - 11.

7392

SHRI SATISH CHANDRA PAUL; (B. MAY 2, 1943),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. (AG.) - ORISSA UNIV. OF AGRI. & TECH. '63; M.SC. (AG.), AGRICULTURAL BOTANY - ORISSA UNIV. OF AGRI. AND TECH. '65.

SPECIALIZATIONS : CULTIVATION OF MEDICINAL AND AROMATIC PLANTS; PLANT PHYSIOLOGICAL AGRONOMY.

EXPERIENCE : RESEARCH ASSISTANT, CENTRAL RICE RESEARCH INSTITUTE, 1966-73; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1973-90; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE MARCH, 1990.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, ORIYA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 19, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18, EXTENSION - 6.

7393

DR RAJEEV; (B. SEPTEMBER 28, 1950),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. CHEMISTRY - ROORKEE '70; PH.D. CHEMISTRY - ROORKEE '75.

SPECIALIZATIONS : X-RAY FLUORESCENCE SPECTROMETRY; OPTICAL EMISSION SPECTROSCOPY; ANALYTICAL CHEMISTRY.

EXPERIENCE : RESEARCH ASSISTANT AND S.R.F., UNIVERSITY OF ROORKEE, 1973-76; ANALYST, N.M.L., JAMSHEDPUR, 1976-80; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1980-90; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE APRIL, 1990.

PRESENT ACTIVITIES : R & D IN X-RAYS AND SPECTROGRAPHIC ANALYTICAL STUDIES OF ORES, MINERALS, ALLOYS, ETC.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 27, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, APP. RES. - 15, TESTING - 15, QUALITY CONTROL - 15, PRODN. - 4, TEACHING - 5.

7394

SHRI B V RAMANAMURTHY; (B. AUGUST 12, 1951),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B. TECH. CHEMICAL ENGINEERING - NAGPUR '73; M.TECH. CHEMICAL ENGINEERING - NAGPUR '75.

SPECIALIZATIONS : BENEFICIATION OF IRON ORES IN AIR FLUIDIZED BED; UNIT OPERATION; FLUIDIZATION TECHNOLOGY.

EXPERIENCE : TRAINEE CHEMICAL ENGINEER, ALBRIGHT MORARJI & PANDIT PVT. LTD., BOMBAY, 1976-77; S.S.A., C.F.R.I., DHANBAD, 1978-80; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1980-90; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE DECEMBER, 1990.

PRESENT ACTIVITIES : RESEARCH IN EXTRACTION OF METAL VALUES FROM ORES; DEVELOPMENT OF PROCESS SYSTEMS FOR LARGE SCALE STUDIES (FLUIDIZED BED CHLORINATOR).

LANGUAGES : TELUGU, HINDI, ENGLISH, MARATHI, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, PATENTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10, PILOT PLANT - 1.

7395

SHRI GEDELA VISWESWARA RAO; (B. JUNE 25, 1953),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - ANDHRA '75; M.SC. MINERAL PROCESSING - ANDHRA '76.

SPECIALIZATIONS : MINERAL PROCESS ENGINEERING; FINE PARTICULAR PROCESSING.

EXPERIENCE : LECTURER, S.D.S. COLLEGE OF APPLIED SCIENCES, GARIVIDI (A.P.), 1977-78; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1978-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1988; (ALSO RESEARCH, UNDER DAAD FELLOWSHIP, IN FINE PARTICLE TREATMENT, WEST GERMANY).

PRESENT ACTIVITIES : BENEFICIATION OF ORES AND MINERALS; RECOVERY AND UTILISATION OF METAL VALUES FROM FINES AND TAILINGS.

LANGUAGES : TELUGU, HINDI, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 20, PATENTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 12, PILOT PLANT - 4, TEACHING - 1.

7396

SHRI K KRISHNA RAO; (B. DECEMBER 31, 1949),
SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - ANNAMALAI '72; M.E. CHEMICAL PLANT DESIGN - MYSORE '74; CERTIFICATE IN INDUSTRIAL MANAGEMENT - I.I.T., MADRAS '77.

SPECIALIZATIONS : TECHNOLOGY FORECASTING; R & D MANAGEMENT; COMPUTER APPLICATIONS; MANAGEMENT INFORMATION SYSTEMS.

EXPERIENCE : FIELD INVESTIGATOR, I.I.T., MADRAS, 1975; MANAGER, M/S TROPICAL AGROSYSTEMS (P) LTD., MADRAS, 1975-76; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1978-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE MARCH, 1988.

PRESENT ACTIVITIES : MIS, R & D MANAGEMENT AND MATHEMATICAL MODELLING.

LANGUAGES : TELUGU, TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, DESIGN - 2, R & D MGMT. - 10, PRODUCTION - 1, PLANNING - 10, R & D SURVEYS - 1, COMPUTER APP - 4.

7397

SHRI K SARVESWARA RAO; (B. MARCH 13, 1950),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - MADRAS '72; M.TECH. CHEMICAL ENGINEERING - MADRAS '74.

SPECIALIZATIONS : EXTRACTION OF METAL VALUES BY PRESSURE LEACHING; SOLID-LIQUID SEPARATION; DESIGN OF HYDROMETALLURGICAL TEST PLANTS; SOLVENT EXTRACTION PLANTS IN VEGETABLE OIL INDUSTRY.

EXPERIENCE : PLANT ENGINEER, HANUMAN VITAMIN FOODS (PVT.) LTD., KHAMGAON (M.S.), 1975-76; PLANT ENGINEER, COROMANDEL AGRO PRODUCTS & OILS LTD., CHIRALA (A.P.), 1976-77; PLANT ENGINEER, POORNA AGRO INDUSTRIES & OILS LTD., VIJAYAWADA 1978; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1978-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1988; (ALSO VISITED WEST GERMANY FOR TRAINING IN ASSEMBLY, FABRICATION AND TESTING OF SOPHISTICATED CONTINUOUS AND HORIZONTAL TYPE AUTOCLAVE (S.L.V.).

PRESENT ACTIVITIES : R & D IN EXTRACTIVE METALLURGY OF NON-FERROUS METALS.

LANGUAGES : TELUGU, HINDI, TAMIL, ORIYA, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 6, PILOT PLANT - 2, CONSTN. - 2, OPERATION - 2, PRODUCTION - 3.

7398

SHRI K V KASIPATI RAO; (B. OCTOBER 4, 1949),
SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - ANDHRA '70; M.TECH. CHEMICAL ENGINEERING - I.I.T., MADRAS '72.

SPECIALIZATIONS : LIQUID-LIQUID EXTRACTION; FLUIDIZATION TECHNOLOGY; PROCESS DESIGN; PROJECT ENGINEERING.

EXPERIENCE : TRAINEE OFFICER, BHABHA ATOMIC RESEARCH CENTRE, TROMBAY, 1972-73; SCIENTIFIC OFFICER, REACTOR RESEARCH CENTRE, KALPAKKAM, 1973-79; SCIENTIST C, R.R.L., BHUBANESWAR, 1979-85; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE JULY, 1985.

PRESENT ACTIVITIES : DESIGN, PROCESS DEVELOPMENT AND PROJECT ENGINEERING.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 24, TECH. REPORTS - 6, PATENTS TAKEN - 1, PATENTS FIELD - 1, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, DESIGN - 10, PILOT PLANT - 3, CONSTN. - 5.

7399

SHRI KARANAM SRINIVASA RAO; (B. OCTOBER 10, 1950),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - ANDHRA '74; M.TECH. CHEMICAL PLANT ENGINEERING - KAKATIYA '76.**SPECIALIZATIONS** : SOLVENT EXTRACTION; PILOT PLANT ERECTION.**EXPERIENCE** : S.R.F., S.S.A., SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1977-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE AUGUST, 1988; (ALSO VISITED WEST GERMANY TO PARTICIPATE IN THE DESIGNING OF A HYDROMETALLURGICAL PILOT PLANT).**PRESENT ACTIVITIES** : R & D IN HYDRO AND ELECTROMETALLURGY.**LANGUAGES** : TELUGU, HINDI, ENGLISH.**VISITED** : W. GERMANY.**PUBLICATIONS & PATENTS** : RES. PAPERS - 8, TECH. REPORTS - 6, PATENTS TAKEN - 1, PATENTS FILED - 1, PROCESSES DEVELOPED - 1.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 1, APP. RES. - 7, PILOT PLANT - 6.

7400

DR R BHIMA RAO; (B. AUGUST 3, 1952),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. (TECH.) APPLIED GEOLOGY - ANDHRA '75; M.SC. MINERAL PROCESS ENGINEERING - ANDHRA '76; PH.D. MINERAL ENGINEERING - ISM, DHANBAD '90.**SPECIALIZATIONS** : ORE GEOLOGY; MINERAL PROCESSING; COMMUNITION.**EXPERIENCE** : TECHNICAL ASSISTANT-CUM-RESEARCH SCHOLAR, ANDHRA UNIVERSITY, 1976-78; SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1978-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1988.**PRESENT ACTIVITIES** : R & D. ON CHROMITE ORES, CHROMITE OVERBURDEN IRON ORES MOLYBDENUM, TUNGSTEN, MANGANESE AND GRINDABILITY STUDIES.**LANGUAGES** : TELUGU, ENGLISH, HINDI, ORIYA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 30, TECH. REPORTS - 16.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 15, APP. RES. - 13.

7401

DR P C RATH; (B. JUNE 30, 1948),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - UTKAL '67; M.SC. CHEMISTRY - BERHAMPUR '76; PH.D. CHEMISTRY - BERHAMPUR '85.**SPECIALIZATIONS** : INORGANIC ANALYTICAL CHEMISTRY; KINETICS OF LEACHING PROCESSES; ELECTROMETALLURGY; ADSORPTION AND ION EXCHANGE.**EXPERIENCE** : SHIFT CHEMIST, JAYSHREE CHEMICALS LTD., GANJAM, 1967-68; J.T.A., S.T.A., S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR 1968-90; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE NOVEMBER, 1990.**PRESENT ACTIVITIES** : PROCESS DEVELOPMENT AND BASIC RESEARCH IN NON-FERROUS EXTRACTIVE METALLURGY.**LANGUAGES** : ORIYA, HINDI, BENGALI, ENGLISH, GERMAN.**PUBLICATIONS & PATENTS** : RES. PAPERS - 10, TECH. REPORTS - 6, ARTICLES - 1, PATENTS TAKEN - 2, PATENTS FILED - 2, PROCESSES DEVELOPED - 4.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 10, APP. RES. - 10.

7402

SHRI SARAT CHANDRA RAY; (B. DECEMBER 18, 1946),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.E. METALLURGY - NAGPUR '71; M.TECH. TECHNOLOGY OF METALLURGICAL FURNACES - SAMBALPUR '73.**SPECIALIZATIONS** : FURNACE TECHNOLOGY; SINTERING OF ORE FINES; PELLETISATION OF ORE FINES; SPONGE IRON PRODUCTION.**EXPERIENCE** : S.S.A. AND SCIENTIST B, R.R.L., BHUBANESWAR, 1973-82; SCIENTIST C, R.R.L., BHUBANESWAR 1982-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE MARCH 1988.**PRESENT ACTIVITIES** : RESEARCH IN AGGLOMERATION AND PYRO-METALLURGY.**LANGUAGES** : ORIYA, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 20, TECH. REPORTS - 10, PATENTS TAKEN - 3, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 8, DESIGN - 2, PILOT PLANT - 3, CONSULTANCY - 2.

7403

SHRI P SITA RAMA REDDY; (B. JULY 1, 1953),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - ANDHRA '76; M.TECH. CHEMICAL ENGINEERING - I.I.T., KHARAGPUR '78.**SPECIALIZATIONS** : MINERAL PROCESSING; PROCESS DEVELOPMENT; COAL PREPARATION.**EXPERIENCE** : SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1978-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1988.**PRESENT ACTIVITIES** : R & D IN MINERAL BENEFICIATION AND PROCESSING; PROCESS DEVELOPMENT; FINE COAL BENEFICIATION AND MINERAL WASTE UTILISATION.**LANGUAGES** : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 25.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 14, APP. RES. - 14, TESTING - 14, CONSULTANCY - 5.

7404

DR B N SAHOO; (B. JULY 22, 1946),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - UTKAL '68; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '74; PH.D. APPLIED CHEMISTRY - I.S.M., DHANBAD '82.

SPECIALIZATIONS : ATOMIC ABSORPTION SPECTROPHOTOMETRY; ENVIRONMENTAL POLLUTION.

EXPERIENCE : S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, C.M.R.S., DHANBAD, 1973-83; R.R.L., BHUBANESWAR, 1983-91; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 18.

7405

DR SATYABRATA SAHOO; (B. DECEMBER 14, 1948),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. (AG.) - ORISSA UNIV. OF AGRI. & TECH. '69; M.SC. (AG.) CYTOGENETICS & PLANT BREEDING - ORISSA UNIV. OF AGRI. & TECH. '71; PH.D. BOTANY - UTKAL '83.

SPECIALIZATIONS : CYTOGENETICS AND PLANT BREEDING; CHEMICAL MUTAGENESIS IN PULSES; GENETIC UPGRADING OF AROMATIC AND MEDICINAL PLANTS.

EXPERIENCE : S.R.A., ORISSA UNIV. OF AGRI. & TECH., BHUBANESWAR, 1971-75; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1975-91; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : GENETIC UPGRADING OF STEROID PRODUCTION IN PLANT SPECIES AND IMPROVEMENT OF PALMAROSA, MENTHA PIPERITA, LEMONGRASS AND CITRONELLA.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 19, TECH. REPORTS - 2, PROJECT REPORT - 3, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 17.

7406

SHRI RAJAKISHORE SAHU; (B. JULY 21, 1937),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL AND MECHANICAL ENGINEERING - ORISSA '58.

SPECIALIZATIONS : CONSTRUCTION AND MAINTENANCE OF ELECTRICAL SYSTEMS.

EXPERIENCE : ELECTRICAL OVERSEER, ELECTRICAL SECTIONAL OFFICER AND SUB-ASSISTANT ENGINEER, ELECTRICITY DEPTT., GOVT. OF ORISSA, 1959-65; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1965-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE MARCH, 1988.

PRESENT ACTIVITIES : MANAGEMENT OF ELECTRICAL CONSTRUCTION AND MAINTENANCE WORK OF THE LABORATORY & CAMPUS.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSTRUCTION - 31, MAINTENANCE - 31, PLANNING - 16.

7407

DR P V R BHASKARA SARMA; (B. MAY 8, 1945),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - ANDHRA '63; M.SC. ANALYTICAL CHEMISTRY - ANDHRA '65; PH.D. CHEMISTRY - ANDHRA '71.

SPECIALIZATIONS : EXTRACTIVE METALLURGY; ANALYTICAL CHEMISTRY; SOLVENT EXTRACTION OF METALS.

EXPERIENCE : ASSISTANT LECTURER, DEPTT. OF HIGHER EDUCATION, GOVT. OF ANDHRA PRADESH, 1965-66; J.R.F., S.R.F. AND POST-DOCTORAL FELLOW, ANDHRA UNIVERSITY, 1966-71; S.S.A., SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR 1971-88; (ALSO TRAINING IN SOLVENT EXTRACTION, W. GERMANY 1982-83). SCIENTIST EI, R.R.L., BHUBANESWAR SINCE MARCH, 1988.

PRESENT ACTIVITIES : RESEARCH IN EXTRACTIVE METALLURGY.

LANGUAGES : TELUGU, HINDI, ORIYA, ENGLISH.

VISITED : W. GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 2, PATENTS FILED - 1.

AWARDS & DISTINCTIONS : BINANI GOLD MEDAL FOR BEST PAPER ON THE EXTRACTION OF NICKEL AND COBALT PUBLISHED IN THE IIM JOURNAL, 1975.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 16, TEACHING - 2.

7408

DR DILIP KUMAR SENGUPTA; (B. DECEMBER 9, 1944),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(ENGG) METALLURGY - SAMBALPUR '68; M.SC. (ENGG.) METALLURGY - B.H.U. '72; PH.D. METALLURGICAL ENGINEERING - I.I.T., KHARAGPUR '86.

SPECIALIZATIONS : MINERAL DRESSING; FOUNDRY METALLURGY; IRON AND STEEL MAKING.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1973-84; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE OCTOBER, 1984; (ALSO ADVANCED TRAINING IN MINERAL PROCESSING, WEST GERMANY, 1986).

PRESENT ACTIVITIES : R & D IN MINERAL BENEFICIATION.

LANGUAGES : BENGALI, HINDI, ORIYA, ENGLISH.

VISITED : CANADA.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 8, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 10, PILOT PLANT - 7, PRODUCTION - 1.

7409

DR A SREE; (B. JUNE 18, 1950),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - ANDHRA '70; M.SC. ORGANIC CHEMISTRY - ANDHRA '72; PH.D. ORGANIC CHEMISTRY - ANDHRA '78.

SPECIALIZATIONS : ORGANIC CHEMISTRY; CHEMISTRY OF NATURAL PRODUCTS; SYNTHETIC ORGANIC CHEMISTRY.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1980-91; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE JUNE, 1990.

PRESENT ACTIVITIES : R & D ON STEROID DRUG INTERMEDIATES AND MARINE NATURAL PRODUCTS.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11, TECH. REPORTS - 8, PROCESSES DEVELOPED - 4, PATENTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 10.

7410

SHRI TONDEPU SUBBAIAH; (B. JUNE 10, 1952),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - ANDHRA '74; M.TECH. CHEMICAL ENGINEERING - ANDHRA '77.

SPECIALIZATIONS : ELECTROWINNING OF METALS FROM AQUEOUS SOLUTIONS AND FUSED SALTS.

EXPERIENCE : J.S.A., C.E.C.R.I., KARAIKUDI, 1976-80; S.S.A., SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1980-90; (ALSO VISITED WEST GERMANY UNDER DAAD FELLOWSHIP TO STUDY ON SCALING UP OF ELECTROCHEMICAL CELLS, 1983-84); SCIENTIST EI, R.R.L., BHUBANESWAR SINCE JULY, 1990.

PRESENT ACTIVITIES : R & D IN HYDROMETALLURGY.

LANGUAGES : TELUGU, TAMIL, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 3, PATENTS FILED - 2, PATENTS TAKEN - 1, PROCESSES DEVELOPED - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 10, PILOT PLANT - 3.

7411

SHRI L B SUKLA; (B. DECEMBER 28, 1949),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(ENGG) METALLURGY - SAMBALPUR '71; M.TECH. FURNACE TECHNOLOGY - SAMBALPUR '73.

SPECIALIZATIONS : NON-FERROUS EXTRACTIVE METALLURGY; HYDRO AND ELECTROMETALLURGY; KINETICS AND THERMODYNAMICS; BACTERIAL LEACHING.

EXPERIENCE : METALLURGICAL ENGINEER, PRABHAT IRON FOUNDRY & METAL INDUSTRIES (P) LTD., ROURKELA AND EAST INDIA ENGG. CO., ROURKELA, 1973-74; S.S.A. SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1975-88; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE MARCH, 1988.

PRESENT ACTIVITIES : R & D IN HYDROMETALLURGY.

LANGUAGES : ORIYA, HINDI, ENGLISH, GERMAN.

VISITED : W. GERMANY, BULGARIA, GREECE.

PUBLICATIONS & PATENTS : RES. PAPERS - 19, PATENTS FILED - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 16, APP. RES. - 16, PILOT PLANT - 1, CONSULTANCY - 4.

7412

SHRI B C SWAIN; (B. JANUARY 18, 1950),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(ENGG) CHEMICAL ENGINEERING - SAMBALPUR '72.

SPECIALIZATIONS : REFRACTORIES AND CERAMICS; CORROSION; PLANT DESIGN.

EXPERIENCE : PROJECT ENGINEER, UTKAL REFRACTORIES, ROURKELA, 1972-73; ASSISTANT ENGINEER, GOVT. OF ORISSA, 1973; S.S.A., SCIENTIST B AND SCIENTIST C, R.R.L., BHUBANESWAR, 1973-86; SCIENTIST EI, R.R.L., BHUBANESWAR SINCE DECEMBER, 1986.

PRESENT ACTIVITIES : DESIGN AND PROJECT ENGINEERING; CORROSION STUDIES.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 23, TECH. REPORTS - 5, SCIENTIFIC BOOKS - 1, PATENTS TAKEN - 7, PATENTS FILED - 7, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, CONSTN. - 1, TESTING - 7, PLANNING - 1.

7413

DR SRIDHARA ACHARYA; (B. OCTOBER 17, 1955),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - BERHAMPUR '77; M.SC. CHEMISTRY - BERHAMPUR '79; PH.D. CHEMISTRY - BERHAMPUR '84.

SPECIALIZATIONS : KINETICS AND CATALYSIS; COMPLEX CHEMISTRY; HYDROMETALLURGY; ELECTROCHEMISTRY.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR, 1985; SCIENTIST C, R.R.L., BHUBANESWAR SINCE JULY, 1989.

PRESENT ACTIVITIES : R & D IN HYDROMETALLURGY.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 1, PATENTS FILED - 1, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 5, APP. RES. - 3, PILOT PLANT - 2, CONSULTANCY - 3, OPERATION - 3, TESTING - 2, TECHNO-ECONOMIC SURVEYS - 1, EDITING - 1.

7414

SHRI SARMA BHATTACHARJEE; (B. OCT 1, 1956),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.S.C. PHYSICS - CALCUTTA '71; POST M.S.C. SOLID STATE PHYSICS - SAHA INSTITUTE OF NUCLEAR PHYSICS '80; PH.D. CRYSTALLOGRAPHY - PITTSBURGH U S A '85.

SPECIALIZATIONS : X-RAY CRYSTALLOGRAPHY; PLASMA PROCESSING OF ADVANCED MATERIALS AND MATERIALS CHARACTERISTICS.

EXPERIENCE : POST DOCTORAL FELLOW, PITTSBURGH, U S A, 1985-86; POST - DOCTORAL FELLOW, COLUMBIA, U S A, 1987-88; POOL OFFICER, R.R.L., BHUBANESWAR, 1989-91; SCIENTIST C, R.R.L., BHUBANESWAR SINCE APRIL 1991.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, ENGLISH, HINDI.

VISITED : U S A

7415

SHRI IN BHATTACHARYA; (B. DECEMBER 17, 1956),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.E. METALLURGICAL ENGINEERING - BURDWAN '80; M.E. INDUSTRIAL METALLURGY - JADAVPUR '83.

SPECIALIZATIONS : HYDROGEN EMBRITTLEMENT OF STEEL; CEMENTATION; SOLID-LIQUID SEPARATION; PILOT PLANT OPERATION; HYDROMETALLURGY.

EXPERIENCE : S.R.F., SCIENTIST B, R.R.L., BHUBANESWAR, 1983-90; SCIENTIST C, R.R.L., BHUBANESWAR SINCE JUNE, 1990.

PRESENT ACTIVITIES : SOLID/LIQUID SEPARATION IN HYDROMETALLURGY; COMMISSIONING OF HYDROMETALLURGICAL PILOT PLANT.

LANGUAGES : BENGALI, ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPER - 6, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 2, APP. RES. - 3, PILOT PLANT - 3.

7416

SHRI PARTHA CHATTOPADHYAY; (B. NOV 11, 1957),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - BENGAL '77; M.SC. INORGANIC CHEMISTRY - BENGAL '79; PH.D. ANALYTICAL CHEMISTRY - BENGAL '84.

SPECIALIZATIONS : ROCK AND MINERAL ANALYSIS IN TRACE AND PERCENTAGE LEVEL USING

EXPERIENCE : ASSISTANT CHEMIST, G.S.I., 1983-91; SCIENTIST C, R.R.L., BHUBANESWAR SINCE MAY, 1991.

PRESENT ACTIVITIES : R & D

7417

DR NALIN BIHAREE DAS; (B. FEBRUARY 11, 1948),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. ORGANIC CHEMISTRY - UTKAL '71; PH.D. ORGANIC CHEMISTRY STUDIES ON HETEROCYCLIC COMPOUNDS - UTKAL '79.

SPECIALIZATIONS : SYNTHETIC ORGANIC CHEMISTRY.

EXPERIENCE : SENIOR AGRO ASSISTANT, O.U.A.T., ORISSA, 1973-74; POST DOCTORAL FELLOW, DENMARK, 1980-82; POOL OFFICER, R.R.L., BHUBANESWAR 1983-85; POST DOCTORAL FELLOW, THE STATE UNIV. OF GENT, BELGIUM, 1985-86; POOL OFFICER AND SCIENTIST FELLOW, R.R.L., JORHAT, 1987-91; SCIENTIST C, R.R.L., BHUBANESWAR SINCE MAY, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, ENGLISH.

VISITED : DENMARK, BELGIUM.

7418

SHRI RAJANI KANTA DAS; (B. NOV 14, 1942),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. UTKAL '62; M.SC. STATISTICS, UTKAL '66.

SPECIALIZATIONS : COMPUTER APPLICATION IN LIBRARY INFORMATION; INFORMATION MANAGEMENT TECHNOLOGY.

EXPERIENCE : SCIENCE TEACHER, R.N. HIGH SCHOOL, 1958-60; STATISTICAL ASSISTANT, GOVT OF ORISSA, 1964-66; S.L.A., J.T.A., S.T.A., TECH. OFF. (A) AND TECH. OFF. (B), BHUBANESWAR, 1966-87; SCIENTIST C, R.R.L., BHUBANESWAR SINCE JUNE, 1987.

PRESENT ACTIVITIES : COLLECTION AND DISSEMINATION OF TECHNICAL INFORMATION; TECHNOLOGY TRANSFER; LIAISON, PUBLICITY AND PUBLICATION.

LANGUAGES : ORIYA, ENGLISH, HINDI, BENGALI.

PUBLICATIONS & PATENTS : POPULAR SCIENCE ARTICLES - 18.

PROFESSIONAL EXPERIENCE(IN YEARS): TEACHING - 2, SURVEY OF NATURAL RESOURCES - 13, TECHNOLOGY TRANSFER - 18, TECHNO-ECONOMIC SURVEYS - 19.

7419

SHRI SUBIR KUMAR DAS; (B. OCTOBER 3, 1954),
SCIENTIST C, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS: B.SC. - UTKAL '75; M.SC. GEOLOGY - UTKAL '77.

SPECIALIZATIONS: MINERALOGICAL STUDIES OF ORES; PETROLOGICAL STUDIES OF BASIC, AND ULTRABASIC ROCKS AND THEIR GEOCHEMISTRY.

EXPERIENCE: J.R.F. AND S.R.F., UTKAL UNIVERSITY, BHUBANESWAR, 1978-81; GEOLOGIST, DTE. OF MINES, GOVT. OF ORISSA, 1981-82; SCIENTIST B, R.R.L., BHUBANESWAR, 1982-87; SCIENTIST C, R.R.L., BHUBANESWAR SINCE JUNE, 1987.

PRESENT ACTIVITIES: RESEARCH.

PUBLICATIONS & PATENTS: RES. PAPERS - 17.

PROFESSIONAL EXPERIENCE(IN YEARS): BASIC RES. - 3, APP. RES. - 5, SURVEY OF NAT. RESOURCES - 1.

7420

MRS RATNA DASGUPTA; (B. NOVEMBER 15, 1954),

SCIENTIST C, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS: B.CHEM.E. CHEMICAL ENGINEERING - JADAVPUR '76; M.CHEM.E. CHEMICAL ENGINEERING - JADAVPUR '79.

SPECIALIZATIONS: CHEMICAL ENGINEERING; ROASTING OF ORES; SINTERING OF ORE FINES.

EXPERIENCE: S.R.A., I.I.T., KHARAGPUR, 1980-83; SCIENTIST B, R.R.L., BHUBANESWAR, 1984-89; SCIENTIST C, R.R.L., BHUBANESWAR SINCE JULY, 1989.

PRESENT ACTIVITIES: R & D IN EXTRACTIVE METALLURGY.

LANGUAGES: BENGALI, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS: RES. PAPERS - 4, TECH. REPORTS - 5, PATENTS FILED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS): BASIC RES. - 4, APP. RES. - 4.

7421

SHRI HARIBANDHU DASH; (B. SEPT 25, 1936),

SCIENTIST C, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS: B.SC. - UTKAL '57; DIPLOMA IN CERAMIC TECHNOLOGY - CALCUTTA '63; B.SC. (TECH) - CERAMIC TECHNOLOGY - CALCUTTA '76.

SPECIALIZATIONS: CERAMIC TECHNOLOGY; TECHNOLOGY TRANSFER; REPAIR/SERVICING OF EQUIPMENTS.

EXPERIENCE: OPERATOR, BENZOL PLANT, B.S.P., BHILAI, 1958-61; TILES OFFICER, O.S.I.C., CUTTACK, 1964-65; CHEMIST,

ORISSA CEMENT LTD, RAJGANGPUR, ORISSA 1965; SCIENTIST C, R.R.L., BHUBANESWAR SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES: TESTING, MAINTENANCE.

LANGUAGES: ORIYA, ENGLISH, HINDI, BENGALI.

PUBLICATIONS & PATENTS: PATENTS TAKEN - 1, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE (IN YEARS): APP. RES. - 2, OPERATION - 2, TESTING - 3, MAINTENANCE - 24, PRODUCTION - 1.

7422

DR BIRA KISHORE DEBATA; (B. JANUARY 1, 1955),

SCIENTIST C, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS: B.SC. BOTANY - SAMBALPUR '74; M.SC. BOTANY - SAMBALPUR '77; PH.D. BOTANY - UTKAL '86.

SPECIALIZATIONS: CRYOCONSERVATION OF PLANT CELL, TISSUE AND ORGAN CULTURE.

EXPERIENCE: RESEARCH ASSOCIATE, REGIONAL PLANT RESOURCE CENTRE, BHUBANESWAR 1985-88; SCIENTIST, REGIONAL PLANT RESOURCE CENTRE, BHUBANESWAR, 1988-91; SCIENTIST C, R.R.L., BHUBANESWAR SINCE MAY, 1991.

PRESENT ACTIVITIES: RESEARCH.

LANGUAGES: ORIYA, ENGLISH, HINDI.

7423

DR S K GOGIA; (B. MAY 9, 1956),

SCIENTIST C, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS: B.SC. - MEERUT '75; M.SC. CHEMISTRY - ROORKEE '79; PH.D. CHEMISTRY - ROORKEE '83.

SPECIALIZATIONS: SOLVENT EXTRACTION EQUILIBRIA STUDIES; ELECTRODEPOSITION OF METALS; CHARACTERIZATION OF ELECTRODEPOSITED PLATES; USE OF RADIO-TRACERS.

EXPERIENCE: SCIENTIST B, R.R.L., BHUBANESWAR, 1984; SCIENTIST C, R.R.L., BHUBANESWAR SINCE AUGUST, 1989.

PRESENT ACTIVITIES: R & D IN ELECTROMETALLURGY, RECOVERY OF METALS FROM WASTES CATALYSTS, BRASS DROSS, ETC.

LANGUAGES: HINDI, PUNJABI, ENGLISH, GERMAN, ORIYA.

PUBLICATIONS & PATENTS: RES. PAPERS - 13, PAPERS PRESENTED - 13, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS): BASIC RES. - 5, APP. RES. - 7, TEACHING - 2.

7424

SHRI P GOPALKRISHNA; (B. OCTOBER 1, 1950),

SCIENTIST C, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS: B.TECH. CHEMICAL ENGINEERING - ANDHRA '74; M.TECH. ELECTROCHEMICAL ENGINEERING - ANDHRA '77.

SPECIALIZATIONS : UNIT OPERATION; PLANT DESIGN; PROCESS CONTROL; ELECTROCHEMICAL ENGINEERING.

EXPERIENCE : R.A. AND SCIENTIST B, R.R.L., BHUBANESWAR, 1983-90; SCIENTIST C, R.R.L., BHUBANESWAR SINCE JULY, 1990.

PRESENT ACTIVITIES : EXTRACTIVE METALLURGY OF NON FERROUS METALS.

LANGUAGES : TELUGU, ENGLISH, HINDI, ORIYA.

VISITED : BULGARIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 2, PROCESSES DEVELOPED - 3, PATENTS FILED CURRENTLY - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BAS. RES. - 6, APP. RES. - 10, PILOT PLANT - - 4.

7425

SHRI BIRENDRA CHANDRA JENA; (B. MARCH 8, 1950).

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(ENGG) METALLURGY - SAMBALPUR '73; M.E. METALLURGY - I.I.SC., BANGALORE '75.

SPECIALIZATIONS : EXTRACTIVE METALLURGY; MATERIALS SCIENCE; FOUNDRY METALLURGY; METALS FORMING.

EXPERIENCE : S.S.A. AND SCIENTIST B, R.R.L., BHUBANESWAR, 1975-82; SCIENTIST C, R.R.L., BHUBANESWAR SINCE MARCH, 1982.

PRESENT ACTIVITIES : HYDROMETALLURGICAL PROCESS DEVELOPMENT.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 3, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 7, PILOT PLANT - 6.

7426

SHRI S P KANUNGO; (B. AUGUST 28, 1955),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. (AG.) - ORISSA UNIV. OF AGRICULTURE & TECHNOLOGY '77; M.SC. (AG.) AGRONOMY - G.B. PANT UNIV. OF AGRICULTURE & TECHNOLOGY '80.

SPECIALIZATIONS : AGRONOMY; AGRICULTURAL EXTENSION; DEVELOPMENT OF AGROTECHNOLOGY ON AROMATIC AND MEDICINAL PLANTS.

EXPERIENCE : J.A.O./A.E.O., DTE. OF AGRICULTURE & FOOD PRODUCTION, ORISSA, 1980-82; SCIENTIST A AND SCIENTIST B, R.R.L., BHUBANESWAR, 1982-84; SCIENTIST C, R.R.L., BHUBANESWAR SINCE AUGUST, 1989.

LANGUAGES : ORIYA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 3, EXTENSION - 2.

7427

DR R N KAR; (B. JULY 2, 1953),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. BIOLOGICAL SCIENCES - SAMBALPUR '75; PH.D. CHEMICAL MUTAGENESIS - SAMBALPUR '80.

SPECIALIZATIONS : ENVIRONMENTAL MUTAGENESIS; CYTOGENETICS; GENETIC TOXICOLOGY; TOXICITY STUDIES.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, C.D.R.I., LUCKNOW, 1981-87; SCIENTIST C, R.R.L., BHUBANESWAR SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : R & D IN BIOLEACHING.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 19, ABSTRACTS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC & APP. RES. - 14, TEACHING - 4.

7428

SHRI RAMNARAYAN MISHRA; (B. NOVEMBER 16, 1958),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(ENGG) ELECTRONICS & TELECOMMUNICATION - SAMBALPUR '80; M.TECH. MICROELECTRONICS AND SEMICONDUCTOR DEVICES - I.I.T., KHARAGPUR '83.

SPECIALIZATIONS : THICK FILMS; THIN FILMS; CONTROL AND INSTRUMENTATION.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR JUNE, 1983; SCIENTIST C, R.R.L., BHUBANESWAR SINCE JULY, 1988.

PRESENT ACTIVITIES : PILOT PLANT INSTRUMENTATION OF HYDRAULIC TRANSPORT OF SOLIDS.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 1, ARTICLES - 1.

7429

SHRI S K MISHRA; (B. JULY 5, 1960),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

7430

SHRI BHASKAR CHANDRA MISRA; (B. DECEMBER 16, 1943),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. (AG.) - ORISSA UNIVERSITY OF AGRI. & TECH. '64; M.SC. (AG.) - ORISSA UNIVERSITY OF AGRI. & TECH. '67.

SPECIALIZATIONS : INTRODUCTION AND CULTIVATION OF AROMATIC AND MEDICINAL PLANTS.

EXPERIENCE : AGRICULTURAL OVERSEER AND AGRICULTURAL SUPERVISOR, GOVT. OF ORISSA, 1964-65 AND 1967-68; "CARE" INDIA, 1968-70; SR. RES. ASSTT., ORISSA UNIV. OF AGRI. & TECH., 1970-71; S.S.A., SCIENTIST A AND SCIENTIST B, R.R.L., BHUBANESWAR, 1971-79; SCIENTIST C, R.R.L., BHUBANESWAR SINCE APRIL, 1991.

PRESENT ACTIVITIES : R & D IN AROMATIC AND MEDICINAL PLANTS.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 12, APP. RES. - 12, SURVEY OF NATURAL RESOURCES - 2, ADMN. - 1, EXTENSION - 4.

7431

SHRI SANTOSH KUMAR MISRA; (B. JANUARY 23, 1945),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - BERHAMPUR '71; M.SC. GEOL-
OGY - UTKAL '73.

SPECIALIZATIONS : SEDIMENTOLOGY.

EXPERIENCE : PHOTOGRAPHER, LABORATORY ASSISTANT AND STOREKEEPER, UTKAL UNIVERSITY, 1968-80; S.S.A., SCIENTIST A AND SCIENTIST B, R.R.L., BHUBANESWAR, 1980-87; SCIENTIST C, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 9, TECH. REPORTS - 7.

7432

SHRI J K MOHANTY; (B. OCTOBER 20, 1957),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. GEOLOGY - UTKAL '78.

SPECIALIZATIONS : ORE PETROLOGY; GEOCHEMISTRY; MINERALOGY.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR, OCTOBER, 1984; SCIENTIST C, R.R.L. BHUBANESWAR SINCE JUNE, 1989.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 45.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 7.

7433

SHRI JITENDRA NATH MOHANTY; (B. NOVEMBER 25, 1958),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.TECH. (HONS.) CHEMICAL ENGINEERING - I.I.T., KHARAGPUR '79.

SPECIALIZATIONS : EXTRACTIVE METALLURGY; AGGLOMERATION OF ORE FINES.

EXPERIENCE : MANAGEMENT TRAINEE AND FOREMAN, INDIAN METALS & FERRO-ALLOYS LTD., BHUBANESWAR, 1979-82; SCIENTIST B, R.R.L., BHUBANESWAR, 1982-87; SCIENTIST C, R.R.L., BHUBANESWAR SINCE APRIL '87.

PRESENT ACTIVITIES : R & D IN EXTRACTION OF CU, NI, AND CO FROM MANGANESE NODULES; DEVELOPMENT OF TESTING METHODS; AGGLOMERATION OF ORE FINES.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 7, PATENTS FILED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 6, PRODUCTION - 2, MANAGEMENT TRAINING - 1.

7434

SHRI SWATI MOHANTY; (B. DECEMBER 5, 1960),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. CHEMICAL ENGINEERING - SAMBALPUR '83; M.TECH. CHEMICAL ENGINEERING - I.I.T., KHARAGPUR '85; PH.D. CHEMICAL ENGINEERING - I.I.T., KHARAGPUR '89.

SPECIALIZATIONS : PROCESS MODELLING AND SIMULATION.

EXPERIENCE : LECTURER, R.E.C., ROURKELLA, 1989-90; SCIENTIST C, R.R.L., BHUBANESWAR SINCE JULY, 1990.

PRESENT ACTIVITIES : RESEARCH.

7435

DR BHAGABAT NANDA; (B. MAY 5, 1946),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. PHYSICS - UTKAL '67; M.SC. CHEMISTRY - UTKAL '71; PH.D. SYNTHETIC CHEMISTRY - UTKAL '78.

SPECIALIZATIONS : SYNTHETIC ORGANIC CHEMISTRY; CHEMISTRY OF NATURAL PRODUCTS.

EXPERIENCE : ASST. TEACHER, CUTTACK, 1967-69; LECTURER, REGIONAL COLLEGE OF EDUCATION, BHUBANESWAR, 1972-73; U.G.C., RESEARCH FELLOW, UTKAL, 1973-77; RESEARCH CHEMIST, CUTTACK 1977-79; S.S.A. SCIENTIST B AND SCIENTIST C, N.C.L., 1979-89; SCIENTIST C, R.R.L. BHUBANESWAR SINCE 1989.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, BENGALI, MARATHI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, TECH. REPORTS - 2, ARTICLES - 4, POPULAR SCIENCE BOOKS - 1, PATENTS FILED CURRENTLY - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : RES. PAPERS - 20, TEACHING - 10, APP. RES. 8, OPERATION - 2.

7436

DR KAILASH CHANDRA NATHSHARMA; (B. NOVEMBER 4, 1950),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - UTKAL '72; M.SC. CHEMISTRY - UTKAL '75; PH.D. NUCLEAR CHEMISTRY - UTKAL '81.

SPECIALIZATIONS : PHYSICAL CHEMISTRY; SOLVENT EXTRACTION OF NON-FERROUS METALS; NUCLEAR CHEMISTRY.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR, 1984-89; SCIENTIST C R.R.L., BHUBANESWAR SINCE JUNE, 1989.

PRESENT ACTIVITIES : SOLVENT EXTRACTION OF NON-FERROUS METALS.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 7.

7437

DR AMALENDU NAYAK; (B. APRIL 25, 1951),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - UTKAL '69; M.SC. CHEMISTRY - UTKAL '71; PH.D. SYNTHETIC ORGANIC CHEMISTRY - UTKAL '79.

SPECIALIZATIONS : SYNTHESIS AND STRUCTURAL ILLUSTRATION OF HETEROCYCLIC COMPOUNDS; BIOLOGICAL ACTIVITY OF ORGANIC COMPOUNDS; DEVELOPMENT OF PHARMACEUTICAL AND PERFUMERY CHEMICALS; FLOCCULATING AGENTS FOR ORE FINES; STABILISATION AGENTS FOR COAL SLURRIES.

EXPERIENCE : SENIOR ASSISTANT, RAVENSHAW COLLEGE, CUTTACK, 1972-79; GRADING DEVELOPMENT OFFICER, STATE GRADING LABORATORY, ORISSA, 1979-80; S.S.A., SCIENTIST A AND SCIENTIST B, R.R.L., BHUBANESWAR, 1980-87; SCIENTIST C, R.R.L., BHUBANESWAR SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : DEVELOPMENT OF PROCESSES FOR PHARMACEUTICAL, PERFUMERY CHEMICALS, FLOCCULATING AGENTS FOR ORE FINES AND STABILISATION AGENTS FOR COAL SLURRIES, EXTRACTION, ISOLATION & CHARACTERISATION OF THE CHEMICAL CONSTITUENTS OF NATURAL PRODUCTS.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, PATENTS FILED - 1, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 7, APP. RES. - 12.

7438

DR BANSIDHAR NAYAK; (B. APRIL 8, 1955),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS.) GEOLOGY - UTKAL '75; M.SC. GEOLOGY - UTKAL '77; PH.D. REFRACTORIES - SAMBALPUR '85.

SPECIALIZATIONS : REFRACTORIES.

EXPERIENCE : MINERALOGIST, DALMIA INSTITUTE OF SCIENTIFIC & INDUSTRIAL RESEARCH, SUNDERGARH, ORISSA, 1978-84; SCIENTIST B, R.R.L., BHUBANESWAR AUGUST, 1985; SCIENTIST C, R.R.L., BHUBANESWAR SINCE AUGUST, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP.RES. - 9.

7439

DR BIJAN BIHARI NAYAK; (B. DECEMBER 20, 1954),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - UTKAL '73; M.SC. PHYSICS - UTKAL '75; PH.D. SEMICONDUCTOR - I.I.T., KHARAGPUR '85.

SPECIALIZATIONS : SEMICONDUCTORS; PLASMA TECHNOLOGY; METAL SILICIDES AND HYDRIDES; THIN FILM TECHNOLOGY.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR APRIL, 1983; SCIENTIST C, R.R.L., BHUBANESWAR SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 1, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 4.

7440

DR BIJAYA KETANA NAYAK; (B. JUNE 20, 1961),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. APPLIED GEOLOGY - I.I.T., BOMBAY '83; PH.D. ECONOMIC GEOLOGY - I.I.T., BOMBAY '87.

SPECIALIZATIONS : ECONOMIC GEOLOGY AND FLUID INCLUSIONS.

EXPERIENCE : RESEARCH SCIENTIST, I.I.T., BOMBAY, 1986-88; SCIENTIST B, W.I.H.G., DEHRADUN, 1988-91; SCIENTIST C, R.R.L., BHUBANESWAR SINCE JUNE, 1991.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : ORIYA, HINDI, ENGLISH.

7441**SHRI PRABHAT KUMAR PALIT; (B. JULY 20, 1944),**

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - UTKAL '63.**SPECIALIZATIONS :** MARINE CHEMICALS; ANALYSIS OF INORGANIC MATERIALS; TECHNOLOGY TRANSFER.**EXPERIENCE :** S.L.A., J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, R.R.L., BHUBANESWAR 1965-89; SCIENTIST C, R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1989.**PRESENT ACTIVITIES :** TECHNOLOGY TRANSFER; TECHNICAL INFORMATION DISSEMINATION.**LANGUAGES :** ORIYA, BENGALI, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 3, TECH. REPORTS - 2, PATENTS TAKEN - 4, PATENTS FILED - 4, PROCESSES DEVELOPED - 6.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 5, APP. RES. - 18, TECHNICAL DEV. - 2, CONSULTANCY - 1, SURVEY OF NATURAL RESOURCES - 1.**7442****DR (MRS) VINEETA VINAY PANCHANADIKAR; (B. NOVEMBER 5, 1960),**

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. MICROBIOLOGY - PUNE '81; M.SC. MICROBIOLOGY - PUNE '83; PH.D. MICROBIOLOGY - PUNE '88.**SPECIALIZATIONS :** MICROBIOLOGY; BIOHYDROMETALLURGY; BIOTECHNOLOGY; MICROBIAL CULTURE COLLECTIONS.**EXPERIENCE :** S.R.F. AND R.A., MACS RESEARCH INSTITUTE, PUNE, 1983-89; QUICK HIGHER FELLOW, R.R.L., BHUBANESWAR, 1990-91; SCIENTIST C, R.R.L., BHUBANESWAR SINCE APRIL, 1991.**PRESENT ACTIVITIES :** RESEARCH IN BIOTECHNOLOGY.**LANGUAGES :** MARATHI, ENGLISH, HINDI.**VISITED :** PHILIPPINES.**PUBLICATIONS & PATENTS :** RES. PAPERS - 12, TECH. REPORTS - 2, ARTICLES - 1, PATENTS TAKEN - 1, PATENTS FIELD CURRENTLY - 2.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BAS. RES. - 9, APP. RES. - 4, CONSULTANCY - 2.**7443****SHRI CHITTARANJAN PANDA; (B. JULY 4, 1958),**

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC.(HONS.) CHEMISTRY - UTKAL '79; M.SC. CHEMISTRY - UTKAL '81; PH.D. CHEMISTRY - UTKAL '87; M.PHIL. CHEMISTRY - UTKAL UNIV. '83.**SPECIALIZATIONS :** INORGANIC CHEMISTRY; SOLVENT EXTRACTION AND ORGANOMETALLIC CHEMISTRY.**EXPERIENCE :** J.R.F., R.R.L., BHUBANESWAR, 1982-83; S.R.F., UTKAL, 1983-87; POST DOCTORAL FELLOW, LUND,

1987-89; C.S.I.R. POOL OFFICER, R.R.L., BHUBANESWAR, 1990-91; SCIENTIST C, R.R.L., BHUBANESWAR SINCE APRIL, 1991.

LANGUAGES : ORIYA, HINDI, ENGLISH.**7444****SHRI P PATRA; (B. JANUARY 3, 1948),**

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

7445**SHRI LAXMIDHAR PRADHAN; (B. JULY 1, 1946),**

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. PHYSICS - SAMBALPUR '77; M.PHIL. PHYSICS - SAMBALPUR '81; D.I.I.S.C. INSTRUMENTATION - I.I.S.C., BANGALORE '82.**SPECIALIZATIONS :** NUCLEAR PHYSICS; COMPUTER PROGRAMMING; INSTRUMENTATION; X-RAY DIFFRACTION.**EXPERIENCE :** DEMONSTRATOR, SAMBALPUR UNIVERSITY, 1974-83; SCIENTIST B, R.R.L., BHUBANESWAR JULY, 1983; SCIENTIST C, R.R.L., BHUBANESWAR JULY 1988. (ALSO VISITED JAPAN FOR TRAINING ON SCANNING ELECTRON MICROSCOPE, 1986).**PRESENT ACTIVITIES :** X-RAY DIFFRACTION LINE PROFILE ANALYSIS.**LANGUAGES :** ORIYA, HINDI, ENGLISH.**VISITED :** JAPAN.**PUBLICATIONS & PATENTS :** RES. PAPERS - 5, TECH. REPORTS - 1, PAPERS PRESENTED - 4.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 8, APP. RES. - 8, MAINTENANCE - 8.**7446****SHRI S PRAKASH; (B. DECEMBER 11, 1956),**

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.A. SC. MINERAL PROCESSING - KARNATAK '81.**SPECIALIZATIONS :** MINERAL PROCESSING.**EXPERIENCE :** LECTURER, GULBARGA UNIVERSITY, 1981-82; SCIENTIST B, R.R.L., BHUBANESWAR, 1982-87; SCIENTIST C, R.R.L., BHUBANESWAR SINCE MAY, 1987.**PRESENT ACTIVITIES :** R & D ON ORES AND MINERALS.**LANGUAGES :** KANNADA, HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** ARTICLES - 12, TECH. REPORTS - 13.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 3, APP. RES. - 9, TEACHING - 1.**7447****SHRI A RAVI PRASAD; (B. JUNE 1, 1952),**

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B. TECH. CHEMICAL ENGINEERING - ANDHRA '77; M.SC. MINERAL PROCESS ENGINEERING - ANDHRA '78.

SPECIALIZATIONS : MINERAL PROCESSING.

EXPERIENCE : S.S.A., R.R.L., BHUBANESWAR, 1980-82; SCIENTIST B, R.R.L., BHUBANESWAR, 1982-87; SCIENTIST C, R.R.L., BHUBANESWAR SINCE JANUARY, 1987.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 3, PILOT PLANTS - 1, OPERATION - 1.

7448

SHRI D B RAMESH; (B. JUNE 9, 1953),

DOCUMENTATION OFFICER (C), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - ANDHRA '73; M.SC. ZOOLOGY - ANDHRA '75; B.LIB.SC. LIBRARY & INFORMATION SCIENCE - ANDHRA '76; COURSE IN DOCUMENTATION & INFORMATION SCIENCE - D.R.T.C., I.S.I. '77.

SPECIALIZATIONS : DOCUMENTATION; INFORMATION SCIENCE; LIBRARY SCIENCE; COMPUTER APPLICATION IN LIBRARY INFORMATION.

EXPERIENCE : SR. DOCUMENTATION ASSTT., C.D.R.I., LUCKNOW, 1977-80; INFORMATION SCIENTIST, R & D, CENTRE RANBAXY LABORATORIES LTD., NEW DELHI, 1980-84; DOCUMENTATION OFFICER (C), R.R.L., BHUBANESWAR SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : DOCUMENTATION AND LIBRARY SERVICES.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PROJECT REPORTS - 3, ARTICLES - 9, BIBLIOGRAPHIES - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : INFORMATION, DOCUMENTATION AND LIBRARY SERVICES - 14.

7449

SHRI A S RAO; (B. APRIL 19, 1943),

TECHNICAL OFFICER (C), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING - ORISSA '64.

SPECIALIZATIONS : LIGHT STRUCTURAL DESIGN.

EXPERIENCE : MECHANICAL OVERSEER, J.T.A., S.T.A., SCIENTIST A AND SCIENTIST B, R.R.L., BHUBANESWAR, 1965-88; C, R.R.L., BHUBANESWAR TECHNICAL OFFICER (C), SINCE JUNE, 1988.

PRESENT ACTIVITIES : DESIGN ENGINEERING, PROJECT MONITORING & EVALUATION.

LANGUAGES : TELUGU, HINDI, ORIYA, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 6, FABRICATION & ERECTION - 19, MGMT. OF TECH. SERVICES - 1.

7450

DR B RAMACHANDRA REDDY; (B. APRIL 5, 1951),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - ANDHRA '73; M.SC. CHEMISTRY - ANDHRA '75; PH.D. CHEMISTRY - SRI VENKATESWARA '81.

SPECIALIZATIONS : PHYSICAL CHEMISTRY; EXTRACTIVE METALLURGY.

EXPERIENCE : POST-DOCTORAL FELLOW, SRI VENKATESWARA UNIVERSITY, 1981-82; SCIENTIST B, R.R.L., BHUBANESWAR, 1982-87; SCIENTIST C, R.R.L., BHUBANESWAR SINCE MAY, 1987.

PRESENT ACTIVITIES : R & D IN EXTRACTIVE METALLURGY.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6.

7451

DR D R ROY; (B. FEBRUARY 9, 1936),

SUPERINTENDING ENGINEER (C), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. PHYSICS - CALCUTTA '55; DIPLOMA IN MECHANICAL & ELECTRICAL ENGINEERING - JAMALPUR '60; A.M.I.E. ELECTRONICS - INSTITUTION OF ENGINEERS (INDIA) '65.

SPECIALIZATIONS : MANAGEMENT OF CONSTRUCTION PROJECTS.

EXPERIENCE : APPRENTICE MECH., JAMALPUR, 1956-61; SR. ELECT. ENGINEER, CALCUTTA '1965-67; SUPERINTENDING ENGINEER (A), R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1988.

7452

SHRI BIMAL PRASAD SINGH; (B. JANUARY 8, 1959),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC., CHEMISTRY - BHAGALPUR '80; M.SC. ORGANIC CHEMISTRY - BHAGALPUR '83; M.TECH. MINERAL BENEFICIATIONS - RANCHI '86; PH.D. PETROLEUM ENGG - I.S.M., DHANBAD '91.

EXPERIENCE : SCIENTIST C, R.R.L., BHUBANESWAR SINCE MAY, 1991.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : HINDI, ENGLISH.

7453

SHRI S K SINGH; (B. OCTOBER 6, 1956),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. APPLIED PHYSICS - B.I.T., RANCHI '79; M.TECH. MATERIALS SCIENCE - I.I.T., KHARAGPUR '85.

SPECIALIZATIONS : MATERIALS SCIENCE; DEVELOPMENT AND CHARACTERISATION OF SEMICONDUCTORS AND ALLIED MATERIALS; DEVELOPMENT OF NEW MATERIALS BY PLASMA; SUPERCONDUCTORS.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR, 1983-88; SCIENTIST C, R.R.L., BHUBANESWAR SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : RESEARCH IN MATERIALS SCIENCE AND PLASMA METALLURGY.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 15, TECH. REPORTS - 1, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 8, COMPUTER PROCESSING - 1.

7454

DR Y VENKATA SWAMY; (B. JANUARY 10, 1954),
SCIENTIST C, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS : B.SC. - ANDHRA '75; M.SC. ANALYTICAL CHEMISTRY - ANDHRA '77; PH.D. APPLIED CHEMISTRY - I.S.M., DHANBAD '84.

SPECIALIZATIONS : DESULPHURISATION OF HIGH SULPHUR COALS; LEACHING STUDIES OF SULPHIDE ORES.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR, 1982-87; SCIENTIST C, R.R.L., BHUBANESWAR SINCE APRIL, 1987.

PRESENT ACTIVITIES : R & D IN RECOVERY OF CU, NI, AND CO FROM MANGANESE NODULES.

LANGUAGES : TELUGU, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 5, PATENTS FILED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 8.

7455

DR U SYAMAPRASAD; (B. DECEMBER 12, 1952),
DOCUMENTATION OFFICER (C), REGIONAL RESEARCH
LABORATORY, BHUBANESWAR

QUALIFICATIONS : B.SC. - KERALA '73; M.SC. PHYSICS - KERALA '76; PH.D. PHYSICS - COCHIN '82.

SPECIALIZATIONS : SPECIAL MATERIALS; PURIFICATION OF SILICON; ELECTRONIC CERAMICS; PHYSICAL CHARACTERISATION OF MATERIALS.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR, 1983-88; DOCUMENTATION OFFICER (C), BHUBANESWAR SINCE APRIL, 1988.

PRESENT ACTIVITIES : DEVELOPMENT OF SPECIAL MATERIALS USING HIGH TEMPERATURE PLASMA; DEVELOPMENT OF CAPACITOR CERAMICS.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 32, TECH. REPORTS - 3, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 11, TEACHING - 2.

7456

SHRI SNEHASHISH BEHERA; (B. JULY 2, 1968),
SCIENTIST B, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS : B.SC. MECHANICAL ENGG. - SAMBALPUR '89.

SPECIALIZATIONS : MECHANICAL ENGINEERING.

EXPERIENCE : ENGG. TRAINEE, MANAGEMENT TRAINEE AND JUNIOR MANAGER, BHILAI STEEL PLANT, BHILAI, 1989-92; SCIENTIST B, R.R.L., BHUBANESWAR SINCE JUNE, 1992.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : ORIYA, ENGLISH, HINDI.

7457

SHRI LAKSHMIDHAR BESRA; (B. MAY 16, 1969),
SCIENTIST B, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS : B.E. METALLURGICAL ENGG. - SAMBALPUR '91; M.E. METALLURGICAL ENGG. - BANGALORE '93.

SPECIALIZATIONS : PHYSICAL METALLURGICAL (SOLIDIFICATION PROCESSING).

EXPERIENCE : VACATIONAL TRAINEE, ORISSA, SPONGE IRON LTD, KEONJHAR, 1989; VACATIONAL TRAINEE, SAIL, ROURKELA, 1990; SCIENTIST B, R.R.L., BHUBANESWAR SINCE JUNE, 1992.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : SANSKRIT, ORIYA, HINDI, BENGALI, ENGLISH.

7458

SHRI BHAGYADHAR BHOI; (B. FEBRUARY 6, 1963),

SCIENTIST B, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS : B.E. METALLURGY - RAJASTHAN '86.

SPECIALIZATIONS : DEVELOPMENT OF ALUMINIUM ALLOYS FOR CATHODIC PROTECTION.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR SINCE JUNE, 1988.

PRESENT ACTIVITIES : RESEARCH IN EXTRACTIVE METALLURGY.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 1.

7459

SHRI S K BISWAL; (B. MARCH 17, 1961),
SCIENTIST B, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS : DIPLOMA CHEMICAL ENGG. - ORISSA '82; B.SC.(ENGG) CHEMICAL - SAMBALPUR '86.

SPECIALIZATIONS : CHEMICAL ENGINEERING.

EXPERIENCE : SHIFT ENGINEER, JAYSHREE CHEMICAL LTD., GANJAM, 1987-88; SCIENTIST B, R.R.L., BHUBANESWAR SINCE MAY, 1988.

PRESENT ACTIVITIES : RESEARCH IN MINERAL BENEFICIATION.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 3, QUALITY CONTROL - 1, MAINTENANCE - 1, PRODUCTION - 1.

7460

SHRI NANDA KUMAR DAS; (B. SEPTEMBER 12, 1945),

CHIEF GLASS BLOWER (B), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : CERTIFICATE IN GLASS BLOWING TECHNOLOGY - PRIVATE GLASS FACTORY ' CALCUTTA '72.

SPECIALIZATIONS : GLASS BLOWING TECHNOLOGY.

EXPERIENCE : CHIEF GLASS BLOWER, N.P.L., 1988; CHIEF GLASS BLOWER, R.R.L., BHUBANESWAR SINCE JULY 1993.

PRESENT ACTIVITIES : DEVELOPMENT AND PRODUCTION.

LANGUAGES : BENGALI, HINDI, ORIYA, ENGLISH.

7461

SHRI S K DAS; (B. JULY 8, 1946),

TECHNICAL OFFICER (B), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - UTKAL '66; B.A. - UTKAL '71; M.A. ENGLISH - UTKAL '74; POSTGRADUATE DIPLOMA PERSONNEL MANAGEMENT - Y.M.C.A. INST. OF MANAGEMENT STUDIES, NEW DELHI 81.

EXPERIENCE : GRAD. LAB. ASSTT., M.P.C. COLLEGE, BARI-PADA, ORISSA, 1967-78; HEAD LAB. SUPERVISOR, N.P.L., NEW DELHI - 1978-83; TECHNICAL OFFICER (A), R.R.L., BHUBANESWAR, 1983; TECHNICAL OFFICER (B), R.R.L., BHUBANESWAR, SINCE 1983.

PRESENT ACTIVITIES : LAB. SUPERVISION AND MAINTENANCE; SECURITY AND GUEST HOUSE MAINTENANCE, AIR CONDITIONING & REFRIGERATION MAINTENANCE.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : LAB. MAINTENANCE - 21.

7462

SHRI NABIN KUMAR DHAL; (B. MARCH 20, 1967),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : M.SC. BOTANY - UTKAL '89.

SPECIALIZATIONS : MICROBIOLOGY.

EXPERIENCE : DEMONSTRATOR, UTKAL UNIVERSITY, BHUBANESWAR 1989-91; SCIENTIST B, R.R.L., BHUBANESWAR SINCE MARCH, 1991.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : ORIYA, ENGLISH.

7463

SHRI M K GHOSH; (B. DECEMBER 14, 1960),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. ENGG. METALLURGY - RANCHI '84.

SPECIALIZATIONS : LEACHING AND PRECIPITATIONS IN HYDROMETALLURGICAL OPERATIONS.

EXPERIENCE : J.R.F., R.R.L., BHUBANESWAR, 1986-88; SCIENTIST B, R.R.L., BHUBANESWAR SINCE MAY, 1988.

PRESENT ACTIVITIES : PROCESS DEVELOPMENT AND PROJECT WORK.

7464

DR KEDAR NATH JENA; (B. APRIL 1, 1944),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. CHEMISTRY - ANDHRA '78; M.SC. CHEMISTRY - UTKAL '69; PH.D. SYNTHETIC CHEMISTRY - ANDHRA '86.

SPECIALIZATIONS : SYNTHETIC ORGANIC CHEMISTRY; CHEMISTRY OF TERRESTRIAL AND MARINE NATURAL PRODUCTS.

EXPERIENCE : S.L.A., RAVENSHAW COLLEGE, CUTTACK, 1965-70; LECTURER, ORISSA COLLEGE, 1970-74; S.L.A., J.S.A. AND S.S.A. AND SCIENTIST A, R.R.L., BHUBANESWAR, 1974-85; SCIENTIST A, R.R.L., BHUBANESWAR, 1983-85; SCIENTIST B R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1985.

PRESENT ACTIVITIES : RESEARCH IN HYDROMETALLURGY.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 12, PILOT PLANT - 3, TESTING - 8, TEACHING - 5.

7465

DR U V MALLAVADHANI; (B. AUGUST 5, 1958),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. CHEMISTRY - ANDHRA '78; M.SC. SYNTHETIC CHEMISTRY - ANDHRA '80; PH.D. SYNTHETIC ORGANIC CHEMISTRY - ANDHRA '86.

SPECIALIZATIONS : SYNTHETIC ORGANIC CHEMISTRY; CHEMISTRY OF TERRESTRIAL AND MARINE NATURAL PRODUCTS.

EXPERIENCE : EXECUTIVE, ATUL PRODUCTS LTD, 1990-91; SCIENTIST B, R.R.L., BHUBANESWAR SINCE MARCH, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, HINDI, ENGLISH.

7466

DR S K MANDAL; (B. FEBRUARY 18, 1949),SCIENTIST B, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

7467

SHRI SUJANA MARYGUDE; (B. JUNE 1, 1968),SCIENTIST B, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.

QUALIFICATIONS : M.SC. CHEMISTRY - A.M.U. '90.

SPECIALIZATIONS : INORGANIC CHEMISTRY.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR SINCE
MAY, 1993.

PRESENT ACTIVITIES : RESEARCH.

7468

**DR(MRS) PRATIMA KUMARI MISHRA; (B.
MARCH 5, 1960),**SCIENTIST B, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.QUALIFICATIONS : B.SC. - UTKAL '81; M.SC. CHEMISTRY -
UTKAL '83; PH.D. CHEMISTRY - I.I.T., KANPUR '89.SPECIALIZATIONS : REACTION KINETICS, PROCESS MET-
ALLURGY AND PLASMA SYNTHESIS OF MATERIALS.EXPERIENCE : RESEARCH ASSOCIATE AND SCIENTIST A,
R.R.L., BHUBANESWAR, 1990-91; SCIENTIST B, R.R.L.,
BHUBANESWAR SINCE JUNE, 1991.

LANGUAGES : ORIYA, HINDI, ENGLISH, GERMAN.

7469

**MRS RAGALAKSHMI P MISTRY; (B. NOVEM-
BER 7, 1967),**SCIENTIST B, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.QUALIFICATIONS : B.SC. - OSMANIA '88; M.C.A. COM-
PUTER SCIENCE - CENTRAL UNIVERSITY, HYDERABAD
'91.EXPERIENCE : TEACHER, RAJGHAT BESANT SCHOOL,
VARANASI, 1991-92; SCIENTIST B, R.R.L., BHUBANESWAR
SINCE JUNE, 1992.

PRESENT ACTIVITIES : COMPUTER SUPPORT.

LANGUAGES : TELUGU, HINDI, ENGLISH.

7470

SHRI UMAR PARIDA; (B. MAY 15, 1945),ASSISTANT EXECUTIVE ENGINEER (B), REGIONAL RE-
SEARCH LABORATORY, BHUBANESWAR.QUALIFICATIONS : DIPLOMA IN CIVIL ENGINEERING -
ORISSA '66.

SPECIALIZATIONS : CIVIL ENGINEERING.

EXPERIENCE : GRADUATE APPRENTICE, WATCH AND
WARD ASST., J.T.A., ASSISTANT CIVIL ENGINEER (A), R.R.L.,
BHUBANESWAR, 1967-86; ASSISTANT EXECUTIVE ENGINEER
(B), R.R.L., BHUBANESWAR SINCE APRIL, 1986.PRESENT ACTIVITIES : CONSTRUCTION & MAINTEN-
ANCE; HORTICULTURE.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : CIVIL/P.H.
WORKS MAINTENANCE - 21, HORTICULTURE - 21, ADMN. - 6.

7471

**DR CHUNDURI VENKATA LAKSHMANA RAO;
(B. AUGUST 1, 1962),**SCIENTIST B, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.QUALIFICATIONS : B.SC. - NAGARJUNA '82; M.SC. OR-
GANIC CHEMISTRY - ANDHRA '84; PH.D. CHEMISTRY -
ANDHRA '93.

SPECIALIZATIONS : ORGANIC CHEMISTRY.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR SINCE
FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TELUGU, ENGLISH.

7472

SHRI A K SAHOO; (B. JUNE 20, 1963),SCIENTIST B, REGIONAL RESEARCH LABORATORY,
BHUBANESWAR.QUALIFICATIONS : B.SC. MECH. ENGG. - ORRISA UNIV. OF
AGRI & TECH '86; M.S. SCIENCE & TECHNOLOGY -
B.I.T.S. '91; P.G.D.M. FINANCE, SYSTEM & OPERATION -
XAVIER INSTITUTE OF MGT., BHUBANESWAR '93.SPECIALIZATIONS : DESIGN AND PROJECT ENGINEERING
OF MINERAL PROCESSING INDUSTRIES; DESIGN AND DE-
VELOPMENT OF MATERIALS HANDLING EQUIPMENTS.EXPERIENCE : ASSISTANT EXECUTIVE ENGINEER (DRILL-
ING), O.N.G.C., 1987-88; SCIENTIST B, R.R.L., BHUBANESWAR
SINCE DECEMBER, 1988.

PRESENT ACTIVITIES : R & D.

7473

**SHRI RABINDRA KUMAR SAHU; (B. JULY 3,
1940),**TECHNICAL OFFICER (B), REGIONAL RESEARCH LABORA-
TORY, BHUBANESWAR.QUALIFICATIONS : B.SC.(HONS) MATHEMATICS - UTKAL
'60; A.I.C. - INSTITUTION OF CHEMISTS (INDIA) '84; P.G
DIPLOMA IN COMPUTER APPLICATIONS - INTERNA-
TIONAL INSTITUTE OF MANAGEMENT SCIENCE '88.SPECIALIZATIONS : ANALYSIS OF ORES, MINERALS AND
SILICATES; ORE BENEFICIATION.EXPERIENCE : CHEMICAL ANALYST, ELECTROLUX (IN-
DIA) LTD., CHAUDWAR, 1963-65; S.L.A., J.T.A., S.T.A. AND SCI-
ENTIST A, R.R.L., BHUBANESWAR, 1966-84; TECHNICAL
OFFICER (B), R.R.L., BHUBANESWAR SINCE AUGUST, 1984.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS OF ORES AND MINERALS; INFORMATION AND PLANNING WORK.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS TAKEN - 1.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 1, APP. RES. - 20, QUALITY CONTROL - 3.

7474

SHRI S C SAHU; (B. JUNE 21, 1947),

TECHNICAL OFFICER (B), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - UTKAL '66; LL.B. - BERHAMPUR '68.

EXPERIENCE : J.L.A., S.L.A., J.T.A., S.T.A., AND TECHNICAL OFFICER (A), R.R.L., BHUBANESWAR, 1967-88; TECHNICAL OFFICER (B), R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP. RES. - 21.

7475

SHRI R SAKTHIVEL; (B. APRIL 19, 1969),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - GANDHIGRAM RURAL INSTITUTE '89; M.SC. APPLIED CHEMISTRY - GANDHIGRAM RURAL INSTITUTE '91.

SPECIALIZATIONS : ANALYSIS OF MINERALS, ORES, METALS AND ALLOYS.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR SINCE MARCH, 1992.

PRESENT ACTIVITIES : R & D.

LANGUAGES : TAMIL, ENGLISH.

7476

SHRI P K SENAPATI; (B. NOVEMBER 15, 1962),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. ENGG. MECHANICAL - KURUKSHETRA '85.

SPECIALIZATIONS : MECHANICAL ENGINEERING.

EXPERIENCE : RESEARCH ASSTT., COLLEGE OF ENGG. & TECH., BHUBANESWAR, 1985-86; LECTURER, R.E.C., ROURKELA, 1986; ASSTT. MANAGER, TALCHAR THERMAL POWER STATION, ORISSA, 1986-88; SCIENTIST B, R.R.L., BHUBANESWAR SINCE AUGUST, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : ORIYA, HINDI, BENGALI, ENGLISH.

7477

SHRI AJEET SINGH; (B. JANUARY 1, 1968),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.TECH. COMPUTER SCIENCE & ENGINEERING - AVADH '89.

SPECIALIZATIONS : SOFTWARE DEVELOPMENT; DATABASE DESIGN; COMPUTER APPLICATIONS.

EXPERIENCE : SCIENTIST B, R.R.L., BHUBANESWAR SINCE JUNE, 1990.

PRESENT ACTIVITIES : SOFTWARE DEVELOPMENT AND SCIENTIFIC APPLICATIONS OF COMPUTER.

PROFESSIONAL EXPERIENCE (IN YEARS) : COMPUTER PROCESSING - 4.

7478

SHRI H K TRIPATHY; (B. JULY 1, 1964),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.E. MECHANICAL - SAURASHTRA '85.

SPECIALIZATIONS : PRODUCTION ENGINEERING; INDUSTRIAL ENGINEERING.

EXPERIENCE : ASSTT. ENGINEER, M/S M.T.P. LTD., NOWRANGPUR, ORISSA, 1986-88; SCIENTIST B, R.R.L., BHUBANESWAR SINCE MAY, 1988.

PRESENT ACTIVITIES : RESEARCH IN PYROMETALLURGY.

LANGUAGES : ORIYA, HINDI, GUJARATI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : ERECTION, COMMISSIONING AND MAINTENANCE OF MACHINERIES - 2.

7479

SHRI BENUDHAR DAS; (B. SEPT 3, 1935),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : DIPLOMA IN CRAFTSMENSHIP, FITTER - ORISSA ENGG. SCHOOL, CUTTACK '58.

EXPERIENCE : FINE MECHANICS, J.M.A. AND S.T.A., R.R.L., BHUBANESWAR, 1967-87; TECHNICAL OFFICER (A), R.R.L., BHUBANESWAR SINCE JULY, 1987.

PRESENT ACTIVITIES : MAINTENANCE.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : PILOT PLANT - 28, MAINTENANCE - 28.

7480

SHRI DILIP KUMAR DEY; (B. APRIL 10, 1946),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : DIPLOMA IN MECHANICAL ENGINEERING STATE COUNCIL FOR ENGG. & TECH. EDUCATION '65.

SPECIALIZATIONS : PYROMETALLURGY.

EXPERIENCE : SUPERVISORY TRAINING, SUPERVISOR, CALICUT ENGG. WORKS, 1966-68; CENSUS INVESTIGATOR IN M/C S.I.S.I., 1968-69; TECHNICAL OFFICER (A), R.R.L., BHUBANESWAR SINCE FEBRUARY, 1992.

LANGUAGES : BENGALI, HINDI, ENGLISH.

7481

SHRI ABDUL KALAM KHAN; (B. SEPTEMBER 10, 1936),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

7482

SHRI L N MISHRA; (B. JANUARY 26, 1943),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, BHUBANESWAR

QUALIFICATIONS : B.SC. - UTKAL '66.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY; ANALYSIS OF ORES AND MINERALS.

EXPERIENCE : SCIENCE TEACHER, GHANESWAR HIGH SCHOOL, BALASORE, 1965-66; LAB. ASSTT., BHADRAK COLLEGE, BALASORE, 1966-67; J.L.A., R.R.L., BHUBANESWAR, 1967-87; TECHNICAL OFFICER (A), R.R.L., BHUBANESWAR SINCE DECEMBER, 1987.

PRESENT ACTIVITIES : RESEARCH AND TESTING.

LANGUAGES : ORIYA, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : APP.RES. - 20, TESTING - 20.

7483

SHRI RABINDRA NATH MISHRA; (B. JANUARY 5, 1935),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : DIPLOMA IN CRAFTMANSHIP (TURNER) - INDUSTRIAL TRAINING CENTRE, CUTTACK, '56; CERTIFICATE IN SKILLED TURNER'S TRADE - BHILAI TECHNICAL INSTITUTE, CALCUTTA, '58.

EXPERIENCE : TECHNICAL OFFICER (A), R.R.L., BHUBANESWAR, SINCE SEPTEMBER, 1987.

LANGUAGES : ORIYA, HINDI, ENGLISH.

7484

SHRI BINOD BIHARI NAYAK; (B. JANUARY 23, 1958),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

7485

SHRI ALEKH PRASAD OJHA; (B. JULY 22, 1941),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : CARPENTRY TRADE CERTIFICATE - TECHNICAL TRAINING INSTITUTE, ORISSA '59.

EXPERIENCE : MISTRY, FINE MECHANIC, J.T.A. AND S.T.A. R.R.L., BHUBANESWAR, 1972-87; TECHNICAL OFFICER (A), R.R.L., BHUBANESWAR SINCE SEPTEMBER, 1987.

PRESENT ACTIVITIES : MAINTENANCE & FABRICATION.

PROFESSIONAL EXPERIENCE (IN YEARS) : MAINTENANCE & FABRICATION - 16.

7486

SHRI BINOD BIHARI PARIDA; (B. NOVEMBER 20, 1939),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - UTKAL '62.

SPECIALIZATIONS : CHEMICAL ANALYSIS OF FOREST AND AGRICULTURAL PRODUCE.

EXPERIENCE : HEAD MASTER, SRI ABHIRAM UCHHASIK-SHASHRAM, GHAGARA, CUTTACK, 1964-68; SENIOR TECHNICIAN, S.C.B. MEDICAL COLLEGE, CUTTACK, 1964-74; J.L.A., S.L.A., J.T.A. AND S.T.A., R.R.L., BHUBANESWAR, 1974-91; TECHNICAL OFFICER (A), R.R.L., BHUBANESWAR SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS AND PROJECT WORK.

LANGUAGES : ORIYA, ENGLISH, HINDI.

7487

SHRI BRAHMADEV PRASAD; (B. JANUARY 1, 1944),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - BHAGALPUR '64.

SPECIALIZATIONS : ANALYTICAL CHEMISTRY.

EXPERIENCE : LAB. ASSTT., BIHAR INST. OF TECHNOLOGY, SINDRI, BIHAR, 1966-69; S.L.A., J.T.A. AND S.T.A., R.R.L., BHUBANESWAR, 1969-88; TECHNICAL OFFICER (A), R.R.L., BHUBANESWAR SINCE APRIL, 1988.

PRESENT ACTIVITIES : CHEMICAL ANALYSIS.

LANGUAGES : ORIYA, ENGLISH.

PROFESSIONAL EXPERIENCE (IN YEARS) : TESTING - 24, CONSULTANCY - 4.

7488

SHRI SARADA PRASAD RATH; (B. OCTOBER 2, 1946),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

7489

SHRI M THIRUNAVOUKKARASU; (B. JULY 19, 1964),

SCIENTIST A, REGIONAL RESEARCH LABORATORY, BHUBANESWAR.

QUALIFICATIONS : B.SC. - MADRAS '87; M.SC. BOTANY -
PONDICHERRY '90.

SPECIALIZATIONS : PLANT PHYSIOLOGY.

EXPERIENCE : RESEARCH ASSISTANT, INSTITUTE OF FOR-
EST GENETICS AND TREE BREEDING, 1990-92; SCIENTIST A,
R.R.L., BHUBANESWAR SINCE APRIL, 1992.

LANGUAGES : TAMIL, HINDI, ENGLISH.

**Regional Research Laboratory,
Trivandrum**

7490

DR A D DAMODARAN; (B. JULY 1, 1937),

DIRECTOR, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - KERALA '57; PH.D. CHEMISTRY - LEEDS UNIVERSITY, U.K. '65.**SPECIALIZATIONS** : MATERIALS SCIENCE AND TECHNOLOGY; ELECTRONIC CERAMICS; ELECTROMETALLURGY.**EXPERIENCE** : SCIENTIST, BARC, BOMBAY, 1958-72; MANAGER (SPECIAL MATERIALS), DEPARTMENT OF ATOMIC ENERGY, 1972-80; TECHNICAL ADVISER, KELTRON, TRIVANDRUM, 1980-83; VISITING SCIENTIST, VIKRAM SARABHAI SPACE CENTRE, TRIVANDRUM, 1984-85; DIRECTOR, R.R.L., TRIVANDRUM SINCE MAY, 1985.**PRESENT ACTIVITIES** : R & D IN MATERIALS SCIENCE AND TECHNOLOGY.**LANGUAGES** : MALAYALAM, ENGLISH.**VISITED** : U.K., U.S.A., GERMANY, JAPAN, TAIWAN, U.S.S.R., CHINA, CZECHOSLOVAKIA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 5, PAPERS PRESENTED - 7, TECH. REPORTS - 1.**PROFESSIONAL EXPERIENCE(IN YEARS)** : APP. RES. - 30.

7491

DR G VIJAYAKUMARAN NAIR; (B. OCTOBER 5, 1941),

SCIENTIST F, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - KERALA '60; M.SC. ORGANIC CHEMISTRY - B.H.U. '62; DIPLOMA GERMAN - B.H.U. '65; PH.D. - ORGANIC CHEMISTRY - B.H.U. '67; PH.D. ORGANIC CHEMISTRY - BRITISH COLUMBIA, CANADA '69.**SPECIALIZATIONS** : ORGANIC SYNTHESIS; NATURAL PRODUCTS CHEMISTRY.**EXPERIENCE** : PD FELLOW, UNIV OF CHICAGO, 1969-71; PD FELLOW UNIV OF TORONTO, 1971-72; PD FELLOW, COLUMBIA UNIV, 1972-74; SR. RES. CHEMIST, AM. CYANAMID CO., 1974-87; PRINC. RES. CHEMIST, AM. CYANAMID CO., 1987-90; SCIENTIST F, R.R.L., TRIVANDRUM SINCE AUGUST, 1990.**PRESENT ACTIVITIES** : RESEARCH.

7492

DR K G SATYANARAYANA; (B. OCTOBER 8, 1942),

SCIENTIST F, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - MYSORE '63; M.SC. PHYSICS - BANGALORE '65; PH.D. PHYSICS (METALLURGICAL ENGINEERING) - B.H.U. '72.**SPECIALIZATIONS** : PHYSICAL METALLURGY; MATERIALS SCIENCE COMPOSITES; NON-DESTRUCTIVE TESTING; R & D MANAGEMENT.**EXPERIENCE** : DEMONSTRATOR, GOVT. COLLEGE, BANGALORE, 1965-68; RESEARCH FELLOW, B.H.U., VARANASI, 1968-73; POOL OFFICER, N.A.L., BANGALORE, 1974-75; VISIT-

ING SCIENTIST, TOHOKU UNIVERSITY, JAPAN, 1975-76; POOL OFFICER, H.A.L., BANGALORE, 1976-78; SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, R.R.L., TRIVANDRUM, 1978-90; SCIENTIST F, R.R.L., TRIVANDRUM SINCE OCTOBER, 1990.

PRESENT ACTIVITIES : R & D IN AL-ALLOYS/METAL MATRIX COMPOSITES AND R & D MANAGEMENT.**LANGUAGES** : KANNADA, HINDI, ENGLISH.**VISITED** : JAPAN, U.S.A., CANADA, AUSTRALIA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 120, TECH. REPORTS - 20, ARTICLES - 2, OTHERS - 3, PATENTS TAKEN - 1, PATENTS FILED - 3, PROCESSES DEVELOPED - 5.**PROFESSIONAL EXPERIENCE(IN YEARS)** : BASIC RES. - 15, APP. RES. - 8, TECH. DEV. - 8, R & D MANAGEMENT - 11, TESTING - 10, QUALITY CONTROL - 8, TEACHING - 5, SURVEY OF NATURAL RESOURCES - 2, PLANNING - 12, ADMN. - 12, TECHNOLOGY TRANSFER - 1, EDITING - 3.

7493

PROF JACOB KOSHY; (B. MARCH 10, 1942),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. PHYSICS - TRIVANDRUM '62; M.SC. PHYSICS - BARODA '65; PH.D. PHYSICS - SARDAR PATEL UNIVERSITY '70.**SPECIALIZATIONS** : SOLID STATE PHYSICS; THIN FILMS; HIGH TEMPERATURE SUPERCONDUCTIVITY.**EXPERIENCE** : DEMONSTRATOR, TAGORE ARTS COLLEGE, PONDICHERRY, 1962-63; RESEARCH SCHOLAR, I.I.T., BOMBAY, 1965-66; RESEARCH FELLOW, SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR, 1966-69; LECTURER, BISHOP MOORE COLLEGE, KERALA UNIV., 1969-72; POST DOCTORAL FELLOW, ROYAL HOLLOWAY COLLEGE, U.K., 1972-74; LECTURER AND SENIOR LECTURER, UNIVERSITY OF IBADAN, NIGERIA, 1974-80; INTERNATIONAL GUEST SCIENTIST, UNIVERSITY OF UPPSALA, SWEDEN, 1980-81; READER, HEAD OF DEPARTMENT OF PHYSICS AND PROFESSOR, FEDERAL UNIVERSITY OF TECHNOLOGY, BAUCHI, NIGERIA, 1982-88; CSIR POOL OFFICER AND CSIR FELLOW, R.R.L., TRIVANDRUM, 1989-91; SCIENTIST EII, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1991.**PRESENT ACTIVITIES** : RESEARCH IN THE AREAS OF HIGH TEMPERATURE SUPER CONDUCTIVITY, THICK AND THIN FILMS AND SUBSTRATE DEVELOPMENT.**LANGUAGES** : HINDI, ENGLISH, MALAYALAM.**VISITED** : U.K., SWEDEN, EGYPT, GREECE, NIGERIA.**PUBLICATIONS & PATENTS** : RES. PAPERS - 50, PATENTS - 2.**AWARDS & DISTINCTIONS** : FELLOW, THE INSTITUTE OF PHYSICS, LONDON, U.K., 1988.**PROFESSIONAL EXPERIENCE(IN YEARS)** : 30.

7494

DR C S NARAYANAN; (B. APRIL 4, 1938),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - MADRAS '57; M.SC. APPLIED CHEMISTRY - KERALA '59; PH.D. CHEMISTRY - POONA '65.

SPECIALIZATIONS : CHEMISTRY AND TECHNOLOGY OF PLANTATION PRODUCTS; SYNTHETIC ORGANIC CHEMISTRY; INSTRUMENTAL CHEMICAL ANALYSIS.

EXPERIENCE : J.S.A. AND J.R.F., N.C.L., POONA, 1960-65; ASSISTANT RESEARCH OFFICER, KERALA UNIVERSITY, 1966-67; POST DOCTORAL RESEARCH ASSOCIATE, STEVENS INSTITUTE OF TECHNOLOGY, U S A, 1967-70; POOL OFFICER AND SCIENTIST IN SCHEME, N.C.L., POONA, 1971-75; SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L., TRIVANDRUM, 1976-88; SCIENTIST EII, R.R.L., TRIVANDRUM SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN PLANTATION PRODUCTS.

LANGUAGES : TAMIL, MALAYALAM, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 60, TECH. REPORTS - 5, ARTICLES - 6, PATENTS FILED CURRENTLY - 3, PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : GARDNER'S AWARD FOR BEST RESEARCH PAPERS IN THE FOOD SCIENCE & TECHNOLOGY, AFST (INDIA) 1980, 1985; DR DHINGRA MEDAL & CASH PRIZE FOR BEST PAPER, ESSENTIAL OIL'S ASSOCIATION OF INDIA, 1985.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 15, R & D MANAGEMENT - 12.

7495

DR B C PAI; (B. OCTOBER 7, 1947),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - BANGALORE '67; B.E. METALLURGY - I.I.S.C., BANGALORE '70; M.E. PHYSICAL METALLURGY - I.I.S.C., BANGALORE '72; PH.D. CASTING - UNIVERSITY OF SHEFIELD, U.K. '81.

SPECIALIZATIONS : METAL MATRIX COMPOSITES; MATERIALS SCIENCE; CERAMIC MATERIALS SOLIDIFICATION.

EXPERIENCE : PROJECT ASSISTANT, I.I.S.C., BANGALORE, 1972-74; SCIENTIST B AND SCIENTIST C, N.A.L., BANGALORE, 1974-83; SCIENTIST EI, R.R.L., TRIVANDRUM, 1983-88; SCIENTIST EII, R.R.L., TRIVANDRUM SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D METAL MATRIX COMPOSITES.

LANGUAGES : KONKANI, HINDI, KANNADA, MALAYALAM, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 78, TECH. REPORTS - 10, ARTICLES - 2, PATENTS TAKEN - 1, PATENTS FILED - 2, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 12, CONSULTANCY - 6, R & D MGMT. - 1, TESTING - 4, PLANNING - 1.

7496

DR R M PILLAI; (B. MAY 25, 1948),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.E. MECHANICAL ENGINEERING - ANNAMALAI '70; M.E. FOUNDRY SCIENCE & ENGINEER-

ING - I.I.S.C., BANGALORE '72; PH.D. METAL COSTING - I.I.T., '77.

SPECIALIZATIONS : METAL COSTING TECHNOLOGY; METAL MATRIX COMPOSITES; ARCHAEMETALLURGY.

EXPERIENCE : SCIENTIST B, SCIENTIST C AND SCIENTIST EI, R.R.L. TRIVANDRUM, 1978-90; SCIENTIST EII, R.R.L. TRIVANDRUM SINCE 1990.

PRESENT ACTIVITIES : BASIC AND APPLIED RESEARCH

LANGUAGES : TAMIL, ENGLISH, HINDI, MALAYALAM.

PUBLICATIONS & PATENTS : RES. PAPERS - 64, PAPERS PRESENTED - 39, SCIENTIFIC BOOKS - 2, ARTICLES - 2, PROCESSES DEVELOPED - 3.

AWARDS & DISTINCTIONS : BINANI GOLD MEDAL, INDIAN INSTITUTE OF METALS, CALCUTTA 1993.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 22, APP. RES. - 15, TEACHING - 4, EDITING - 10, CONSULTANCY - 10, R & D MANAGEMENT - 15, ADMINISTRATION - 15.

7497

DR G D SURENDER; (B. AUGUST 3, 1946),

SCIENTIST EII, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.E. CHEMICAL - ANNAMALAI '67; M.E. CHEMICAL - I.I.S.C., BANGALORE '69; PH.D. CHEMICAL ENGINEERING - I.I.S.C., BANGALORE '74.

SPECIALIZATIONS : CHEMICAL ENGINEERING; REACTION AND REACTOR ENGINEERING.

EXPERIENCE : PROJECT ASSISTANT, I.I.S.C., BANGALORE, 1974-75; S.S.O. II, INDIAN PLYWOOD INDUSTRIES RESEARCH INSTITUTE, BANGALORE, 1975-83; SCIENTIST EI, R.R.L., TRIVANDRUM, 1983-88; SCIENTIST EII, R.R.L., TRIVANDRUM SINCE JANUARY, 1988.

PRESENT ACTIVITIES : PROCESS RESEARCH, DEVELOPMENT & ENGINEERING.

LANGUAGES : TAMIL, KANNADA, MALAYALAM, ENGLISH.

VISITED : ITALY, SWITZERLAND.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 6, PATENTS TAKEN - 2, PATENTS FILED - 2, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATION - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 15, DESIGN - 4, TECHNICAL DEV. - 1, PILOT PLANT - 2, CONSULTANCY - 2, R & D MGMT. - 8.

7498

DR C ARUMUGHAN; (B. SEPTEMBER 10, 1947),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : M.SC. BIOCHEMISTRY - M.S. UNIV., BARODA '73; PH.D. DAIRY CHEMISTRY - N.D.R.I., KARNAL '78.

SPECIALIZATIONS : FOOD SCIENCE AND TECHNOLOGY; PLANT BIOCHEMISTRY.

EXPERIENCE : SCIENTIST B, C.F.T.R.I., MYSORE, 1980-82; SCIENTIST C, R.R.L., TRIVANDRUM 1982-88; SCIENTIST EI, R.R.L., TRIVANDRUM SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D IN FOOD TECHNOLOGY, OIL PALM AND COCONUT PRODUCTS & PROCESSING.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 10, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : GARDNER'S AWARD FOR BEST PAPER PUBLISHED IN FOOD SCIENCE & TECH, AFST (INDIA), 1985.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 12.

7499

DR P K BISWAS; (B. AUGUST 1, 1945),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7500

DR P N MOHAN DAS; (B. MAY 14, 1948),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - KERALA '67; M.SC. CHEMISTRY - JODHPUR '70; PH.D. CHEMISTRY - JODHPUR '72; CERTIFICATE IN FRENCH - JODHPUR '72.

SPECIALIZATIONS : INORGANIC CHEMISTRY; EXTRACTIVE METALLURGY.

EXPERIENCE : RESEARCH TRAINEE, I.T.R.L., TRIVANDRUM, 1973-74; RESEARCH CHEMIST, INDIAN RARE EARTH LTD., UDYOGAMANDAL, 1974; WISS ASSISTANT, DUSSELDORF UNIVERSITY, W.GERMANY, 1975-78; POOL OFFICER, SCIENTIST B AND SCIENTIST C, R.R.L., TRIVANDRUM, 1978-88; SCIENTIST EI, R.R.L., TRIVANDRUM SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : MALAYALAM, HINDI, ENGLISH, GERMAN.

VISITED : GERMANY, FRANCE, NETHERLANDS, ITALY, SWITZERLAND, AUSTRIA, BELGIUM.

PUBLICATIONS & PATENTS : RES. PAPERS - 51, TECH. REPORTS - 1, ARTICLES - 6, PROCESSES DEVELOPED - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 6, APP. RES. - 11, TEACHING - 2.

7501

SHRI VELLORE GOVINDARAJULU; (B. JULY 1, 1945),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.TECH. MECHANICAL ENGINEERING - MYSORE '71; CERTIFICATE IN INDUSTRIAL ENTREPRENEURSHIP, INDUSTRIAL & BUSINESS MGMT. - SIET INST., HYD. HYDERABAD '72; A.I.M.A.D.M. MANAGEMENT - ALL INDIA MANAGEMENT ASSOCIATION, NEW DELHI '84; FISSR; MANAGEMENT - INSTITUTE FOR SOCIAL SCIENCES AND RESEARCH; VELLORE '86; CERTIFICATE IN TECH. MGT. AND TRANSFER, NRDC, NEW DELHI '87.

SPECIALIZATIONS : TECHNOLOGY TRANSFER; TECHNOLOGY ASSESSMENT AND FORECASTING; SCIENCE AND PUBLIC POLICY ANALYSIS; TECHNOLOGY MANAGEMENT.

EXPERIENCE : S.R.F. AND S.T.A., TECHNOLOGY UTILIZATION DIVISION, CSIR, NEW DELHI, 1972-78; RESEARCH FELLOW (FACULTY POSITION), RESEARCH AND CONSULTANCY

DIVISION, MANAGEMENT DEVELOPMENT INSTITUTE, NEW DELHI, 1978-79; SCIENTIST B AND SCIENTIST C, R.R.L., TRIVANDRUM, 1979-89; SCIENTIST EI, R.R.L., TRIVANDRUM SINCE DECEMBER, 1989; (ALSO SCIENTIST-IN-CHARGE, CSIR POLYTECHNOLOGY TRANSFER CENTRE, TRIVANDRUM).

PRESENT ACTIVITIES : R & D MANAGEMENT; TECHNOLOGY TRANSFER; CONSULTANCY; CONTRACT PROJECTS PLANNING; TECHNOLOGY ASSESSMENT; POLICY RESEARCH; EXTENSION SERVICES.

LANGUAGES : TAMIL, TELUGU, HINDI, MALAYALAM, KANNADA, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 17, SCIENTIFIC BOOKS - 2, ARTICLES - 24, BOOK REVIEWS - 8, CONTRIBUTION OF A CHAPTER TO A BOOK - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSULTANCY - 20, R & D MGMT. - 20, TECHNO- ECONOMIC SURVEYS - 20, PLANNING - 20, TECHNOLOGY TRANSFER - 20, ADMN. - 15, COMPUTER PROCESSING - 2, EXTENSION - 10.

7502

DR PETER KOSHY; (B. APRIL 10, 1950),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7503

SHRI S SURESH KUMAR; (B. MAY 23, 1954),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CIVIL ENGINEERING - KERALA '76; M.TECH. INDUSTRIAL ENGINEERING - I.I.T., MADRAS '78.

SPECIALIZATIONS : TECHNOLOGY FORECASTING; ORGANISATION AND METHODS STUDY; R & D MANAGEMENT; STORES MANAGEMENT; CIVIL STRUCTURES.

EXPERIENCE : SCIENTIST B AND SCIENTIST C, R.R.L., TRIVANDRUM, 1978-88; SCIENTIST EI, R.R.L., TRIVANDRUM SINCE AUGUST, 1988.

PRESENT ACTIVITIES : PLANNING; R & D MANAGEMENT; EDITING; EXTENSION; CONSTRUCTION & POLICY STUDIES.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 14.

PROFESSIONAL EXPERIENCE(IN YEARS) : R & D MGMT. - 4, PLANNING - 12, CONSTRUCTION - 3, EDITING - 6, EXTENSION - 4, POLICY STUDY - 2.

7504

DR(MRS) M LALITAMBIKA; (B. MARCH 16, 1943),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : ANALYTICAL CHEMISTRY - I.I.T., KANPUR '72.

SPECIALIZATIONS : CLAY SCIENCE; CERAMIC REFRACTORIES; ANALYTICAL CHEMISTRY; CLAY BENEFICIATION.

EXPERIENCE : DEMONSTRATOR, POLYTECHNIC, PANDALAM, KERALA, 1962-63; LECTURER, S.N. COLLEGE, QUILON, 1963-67; RESEARCH FELLOW, I.I.T., KANPUR, 1967-

72; POST GRADUATE TRAINEE, R.R.L., TRIVANDRUM, 1973-76; SCIENTIST B, N.C.L., 1976-78; SCIENTIST B AND SCIENTIST C, R.R.L., TRIVANDRUM, 1978-87; (ALSO ADVANCED TRAINING IN CERAMIC SCIENCE UNDER INDO - GERMAN EXCHANGE SERVICE, W.GERMANY, 1984); SCIENTIST EI, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : CLAY BENEFICIATION; STUDY ON ZEOLITES FROM CLAYS AS DETERGENT BUILDERS AND CATALYSTS.

LANGUAGES : MALAYALAM, HINDI, ENGLISH, GERMAN.

VISITED : GERMANY, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, TECH. REPORTS - 3, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 18, APP. RES. - 10, PILOT PLANT - 1, TESTING - 12, QUALITY CONTROL - 12, TEACHING - 2, CHARACTERIZATION OF NATURAL MINERAL RESOURCES - 5.

7505

DR P S MUKHERJEE; (B. JUNE 21, 1952),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - I.I.T., KHARAGPUR '72; M.SC. PHYSICS - I.I.T., KHARAGPUR '74; PH.D. STRUCTURAL PHYSICS - I.I.T., KHARAGPUR '79.

SPECIALIZATIONS : X-RAY DIFFRACTION STRUCTURAL STUDIES; CERAMIC PROCESSING AND CHARACTERIZATION; FIBRE-POLYMER COMPOSITES.

EXPERIENCE : SENIOR RESEARCH ASSISTANT, I.I.T., KHARAGPUR, 1977-83; SCIENTIST C, R.R.L., TRIVANDRUM, 1983-88; SCIENTIST EI, R.R.L., TRIVANDRUM SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH, GUIDANCE, MANAGEMENT & MAINTANENCE OF INSTRUMENTS.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 36, PATENTS TAKEN - 1, PROCESS DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 16, R & D MGMT. - 7, TEACHING - 6, PLANNING - 3, COMPUTER PROCESSING - 2.

7506

DR C K S PILLAI; (B. MAY 15, 1946),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - KERALA '66; M.SC. CHEMISTRY - KERALA '68; PH.D. CHEMISTRY - I.I.S.C., BANGALORE '74.

SPECIALIZATIONS : POLYMER SCIENCE; MATERIALS SCIENCE.

EXPERIENCE : JUNIOR LECTURER, MAR IVANIOS COLLEGE, TRIVANDRUM, 1968-69; TECHNICAL ASSISTANT, VIKRAM SARABHAI SPACE CENTRE, TRIVANDRUM, 1969-71; POST DOCTORAL FELLOW, I.I.S.C., BANGALORE, 1974-76; SCIENTIST, VIKRAM SARABHAI SPACE CENTRE, TRIVANDRUM, 1976-78; SCIENTIST C, R.R.L., TRIVANDRUM, 1979-85; SCIENTIST EI, R.R.L., TRIVANDRUM SINCE DECEMBER, 1985.

PRESENT ACTIVITIES : DEVELOPMENT OF SPECIALITY POLYMERS.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 30, PAPERS PRESENTED - 12, TECH. REPORTS - 12, ARTICLES - 2, PATENTS TAKEN - 2, PATENTS FILED - 1, PROCESSES DEVELOPED - 7, PROCESSES UNDER UTILISATION - 1.

AWARDS & DISTINCTIONS : WIPO GOLD MEDAL & INDEPENDENCE DAY AWARD FOR DEVELOPING PROCESS ON LIFE EXTENSION OF COCONUT LEAF THATCH, NRDC, 1985.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 14, R & D MGMT. - 10.

7507

DR S V RAMAKRISHNA; (B. AUGUST 1, 1946),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7508

DR T R RAMAMOCHAN; (B. SEPTEMBER 17, 1955),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7509

MRS GEETHA RAMANI; (B. DECEMBER 22, 1946),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7510

DR J MADHUSUDANA RAO; (B. JUNE 10, 1949),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM

QUALIFICATIONS : B.SC. - ANDHRA '69; M.SC. ORGANIC CHEMISTRY - ANDHRA '71; PH.D. ORGANIC CHEMISTRY - ANDHRA '75.

SPECIALIZATIONS : ORGANIC CHEMISTRY; ORGANOMETALLICS IN SYNTHETIC ORGANIC CHEMISTRY; NATURAL PRODUCTS CHEMISTRY; PERFUMERY CHEMICALS; ESSENTIAL OILS; BIORATIONAL METHODS OF INSECT CONTROL; PHASE TRANSFER CATALYSIS.

EXPERIENCE : S.S.A., C.F.T.R.I., MYSORE, 1977-79; POOL OFFICER, R.R.L., HYDERABAD, 1983-84; SCIENTIST C, R.R.L., TRIVANDRUM 1984-88; SCIENTIST EI, R.R.L., TRIVANDRUM SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH IN PERFUMERY CHEMICALS, NATURAL PRODUCTS & BIORATIONAL METHODS OF INSECT CONTROL & PHASE TRANSFER CATALYSIS.

LANGUAGES : TELUGU, HINDI, ENGLISH.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 55, PATENTS FILED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 14, R & D MGMT. - 6.

7511**DR T PRASADA RAO; (B. JUNE 2, 1955),**

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7512**DR M T SEBASTIAN; (B. MAY 7, 1952),**

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. PHYSICS - KERALA '75; M.SC. PHYSICS - SARDAR PATEL '78; PH.D. PHYSICS - B.H.U. '83.**SPECIALIZATIONS** : CRYSTAL GROWTH; IMPERFECTIONS IN CRYSTALS; X-RAY TOPOGRAPHY; DIELECTRIC RESONATORS; ELECTRONIC CERAMICS; PHASE TRANSITIONS.**EXPERIENCE** : LECTURER, COCHIN UNIV. 1984-87; CNRS-PDF, UNIV. OF PARIS, 1987-88; AVH-FELLOW, RWTH, ACHEN, FRG, 1988-90; FELLOW SCIENTIST, R.R.L., TRIVANDRUM, 1990-92; SCIENTIST EI, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1992.**PRESENT ACTIVITIES** : RESEARCH.**LANGUAGES** : MALAYALAM, HINDI, ENGLISH.**VISITED** : FRANCE, GERMANY.**PUBLICATIONS & PATENTS** : RES. PAPERS - 55, PATENTS FILED - 3, SCIENTIFIC BOOKS - 1.**PROFESSIONAL EXPERIENCE (IN YEARS)** : BASIC RES - 14, APP. RES. - 10.**7513****SHRI V P SREEDHARAN; (B. MARCH 23, 1945),**

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7514**DR S C SURI; (B. JANUARY 26, 1952),**

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - DELHI '71; M.SC. ORGANIC CHEMISTRY - DELHI '73; PH.D. ORGANIC CHEMISTRY - I.I.T., KANPUR '79.**SPECIALIZATIONS** : SYNTHETIC ORGANIC CHEMISTRY.**EXPERIENCE** : SCIENTIST, LEDERLE CO. (AMERICAN CY-ANAND), 1984-85; SCIENTIST, UDRI, DAYTON, OHIO, U S A, 1985-93; SCIENTIST EI, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1993.**PRESENT ACTIVITIES** : RESEARCH.**VISITED** : U S A**7515****SHRI P P THOMAS; (B. OCTOBER 13, 1948),**

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - KERALA '69; B.SC. CHEMICAL ENGINEERING - CALICUT '74; M.S. CHEM ENGG - I.I.T., MADRAS '85.**SPECIALIZATIONS** : FOOD ENGINEERING; SPICE TECHNOLOGY; PLANT DESIGN AND COSTING.**EXPERIENCE** : TRAINEE, F.A.C.T., ALWAYS, 1974-75; J.S.A., C.F.T.R.I., MYSORE, 1975-78; SCIENTIST B AND SCIENTIST C, R.R.L., TRIVANDRUM, 1978-88; SCIENTIST EI, R.R.L., TRIVANDRUM SINCE SEPTEMBER, 1988.**PRESENT ACTIVITIES** : R & D; PILOT PLANT AND SCALE UP STUDIES AND DESIGN OF COMMERCIAL PLANTS.**LANGUAGES** : MALAYALAM, HINDI, ENGLISH.**PUBLICATIONS & PATENTS** : RES. PAPERS - 14, TECH. REPORTS - 6, PROCESS DEVELOPED - 8, PROCESSES UNDER UTILISATION - 4.**PROFESSIONAL EXPERIENCE (IN YEARS)** : APP. RES., DESIGN, TECH. DIV., PILOT PLANT, CONSULTANCY, TECHNOLOGY TRANSFER, EXTENSION - (TOTAL : 15 YEARS).**7516****DR K G K WARRIER; (B. JAN 5, 1950),**

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : M.SC. PHYSICAL CHEMISTRY - KANPUR '71; PH.D. INORGANIC CHEMISTRY - KERALA '78.**SPECIALIZATIONS** : MATERIALS SCIENCE; CERAMICS - (SUPER CONDUCTORS); SURFACE TREATMENTS.**EXPERIENCE** : S.R.F., P.D.F., SCIENTIST B AND SCIENTIST C, R.R.L., TRIVANDRUM, 1976-88; SCIENTIST EI, R.R.L., TRIVANDRUM SINCE APRIL, 1988.**PRESENT ACTIVITIES** : RESEARCH IN STRUCTURAL/SUPERCONDUCTING CERAMICS/PARTICULATE CERAMICS.**LANGUAGES** : MALAYALAM, HINDI, ENGLISH, GERMAN, RUSSIAN.**VISITED** : GERMANY.**PUBLICATIONS & PATENTS** : RES. PAPERS - 85, TECH. REPORTS - 3, ARTICLES - 4, PROCESSES DEVELOPED - 3, PROCESSES UNDER UTILISATION - 1.**PROFESSIONAL EXPERIENCE (IN YEARS)** : BASIC RES. - 5, APP. RES. - 10, PILOT PLANT - 3, CONSULTANCY - 5, SURVEY OF NATURAL RESOURCES - 3.**7517****DR(MRS) T E ABRAHAM; (B. APRIL 21, 1950),**

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - MADURAI '71; M.SC. BIOCHEMISTRY - MADRAS '73; CERTIFICATE IN GERMAN - GOETHE INSTITUTE, GERMANY '82; CERTIFICATE IN GERMAN - KERALA '82; PH.D. STARCH CHEMISTRY - KERALA '89.**SPECIALIZATIONS** : BIOTECHNOLOGY; STARCH TECHNOLOGY; ALCOHOL FERMENTATION; ENZYME IMMOBILIZATION.**EXPERIENCE** : JUNIOR LECTURER, HOLY CROSS COLLEGE, NAGERCOIL, 1973-74, J.S.A., C.F.T.R.I., MYSORE, 1974-76; S.S.A., SCIENTIST A, SCIENTIST B AND SCIENTIST C, R.R.L., TRIVANDRUM, 1976-92; (ALSO DAAD FELLOW, GERMAN ACADEMIC EXCHANGE, 1982-83); SCIENTIST EI, R.R.L. TRI-

VANDRUM SINCE FEBRUARY, 1992; (ALSO ASSOCIATESHIP, DEPARTMENT OF BIOTECHNOLOGY, 1993-94).

PRESENT ACTIVITIES : R & D.

LANGUAGES : MALAYALAM, HINDI, TAMIL, ENGLISH, GERMAN.

VISITED : GERMANY.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 2, PATENTS TAKEN - 5, PATENTS FILED CURRENTLY - 1, PROCESSES DEVELOPED - 5, PROCESS UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 20, TEACHING - 1.

7518

MRS B SANKARI KUTTY AMMA; (B. JUNE 13, 1951),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - KERALA '71; M.SC. CHEMISTRY - KERALA '73.

SPECIALIZATIONS : POST HARVEST TECHNOLOGY OF SPICES; ENCAPSULATION TECHNOLOGY OF FLAVOURS.

EXPERIENCE : J.S.A., C.F.T.R.I., MYSORE, 1974-76; J.S.A. AND S.S.A., C.S.I.R. COMPLEX, TRIVANDRUM, 1976-82; SCIENTIST B, R.R.L., TRIVANDRUM, 1982-87; SCIENTIST C, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1987.

PRESENT ACTIVITIES : BASIC WORK ON MOLECULAR ENCAPSULATION.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 3, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : NRDC AWARD FOR DEHYDRATED GREEN PEPPER, 1979; GARDNER'S AWARD FOR BEST RESEARCH PAPER IN THE JOURNAL OF FOOD SCIENCE & TECHNOLOGY, 1980.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC AND APP. RES. - 16, CONSULTANCY - 1, TESTING AND QUALITY CONTROL - 2.

7519

SHRI C BALACHANDRAN; (B. APRIL 17, 1951),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - KERALA '70; M.SC. CHEMISTRY - KERALA '72; DIPLOMA IN GERMAN - MYSORE '76; CERTIFICATE IN RUSSIAN - KERALA '81; CERTIFICATE IN FRENCH - ALLIANCE FRANCAISE, TRIVANDRUM '82.

SPECIALIZATIONS : FOOD SCIENCE AND TECHNOLOGY; POST HARVEST TECHNOLOGY OF FRUITS & VEGETABLES; FOOD CHEMISTRY.

EXPERIENCE : S.L.A. & J.S.A., C.F.T.R.I., MYSORE, 1974-81; S.S.A. AND SCIENTIST A AND SCIENTIST B, R.R.L., TRIVANDRUM, 1981-89; SCIENTIST C, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : BIOCHEMICAL STUDIES ON COCONUT; POST HARVEST TECHNOLOGY OF COCONUT AND SELECTED PALMS.

LANGUAGES : KANNADA, MALAYALAM, HINDI, GERMAN, RUSSIAN, FRENCH.

PUBLICATIONS & PATENTS : RES. PAPERS - 17, TECH. REPORTS - 3, OTHERS - 2. PROCESSES DEVELOPED - 4, PROCESSES UNDER UTILISATION - 2.

AWARDS & DISTINCTIONS : FELLOW, ESSENTIAL OIL'S ASSOCIATION OF INDIA.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 14, PILOT PLANT - 4, QUALITY CONTROL - 4.

7520

SHRI P BALAN; (B. OCTOBER 1, 1946),

WORKSHOP SUPERINTENDENT (C), REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC.(ENGG) MECHANICAL - KERALA '70; M.SC. (ENGG.) FOUNDRY - KERALA '92.

SPECIALIZATIONS : PRODUCTION ENGINEERING; FOUNDRY.

EXPERIENCE : ASSISTANT ENGINEER, H.A.L., NASIK DIVISION, 1971-79; WORKSHOP SUPDT (C), R.R.L., TRIVANDRUM SINCE FEBRUARY, 1984.

PRESENT ACTIVITIES : MECHANICAL MAINTENANCE AND R & D.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 22.

7521

DR S C BERA; (B. MAY 1, 1955),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - CALCUTTA '74; B.TECH. PLASTIC & RUBBER TECHNOLOGY - CALCUTTA '77; M.TECH. MATERIALS SCIENCE & POLYMER ENGINEERING - I.I.T., KHARAGPUR '82; PH.D. CHEMICAL SCIENCE & TECHNOLOGY - SILESIA TECHNICAL UNIVERSITY, GLINICE, POLAND '90.

SPECIALIZATIONS : POLYMER SCIENCE AND TECHNOLOGY; SYNTHESIS OF POLYMERS.

EXPERIENCE : TRAINEE ENGINEER/FOREMAN, M/S ENREKA CHEMICALS, HALDIA, W.B., 1978-80; SMALL INDUSTRY PROMOTION OFFICER, SMALL SCALE INDUSTRIES MINISTRY OF INDUSTRIES, NEW DELHI, 1982-83; SCIENTIST B, R.R.L., TRIVANDRUM, 1983-88; SCIENTIST C, R.R.L., TRIVANDRUM SINCE JANUARY, 1988; (ALSO POLISH GOVT. FELLOWSHIP FOR HIGHER STUDIES, POLAND, 1987-90).

PRESENT ACTIVITIES : SYNTHESIS OF SPECIALITY POLYMERS AND THEIR CHARACTERIZATION.

LANGUAGES : BENGALI, HINDI, ENGLISH, NEPALI, MALAYALAM, POLISH, SLOVAK.

VISITED : POLAND, CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORT - 2, PATENTS TAKEN - 2, PATENTS FILED CURRENTLY - 2, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 7.

7522

SHRI C CHANDRA SHEKARA BHAT; (B. DECEMBER 10, 1958),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - MYSORE '79; M.SC. STATISTICS - MYSORE '81.

SPECIALIZATIONS : OPERATIONS RESEARCH; COMPUTER PROGRAMMING; STATISTICAL ANALYSIS; MODELING AND SIMULATION.

EXPERIENCE : MANAGEMENT TRAINEE, SRI K R MILLS, MYSORE, 1981-82; SCIENTIST B, R.R.L., TRIVANDRUM, 1983-87; SCIENTIST C, R.R.L., TRIVANDRUM SINCE JANUARY, 1988.

PRESENT ACTIVITIES : COMPUTER PROCESSING; MODELING AND SIMULATION.

LANGUAGES : KANNADA, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4, APP. RES. - 2, R & D MGMT. - 2, PLANNING - 1, COMPUTER PROCESSING - 5.

7523

SHRI K HARIKRISHNA BHAT; (B. APRIL 29, 1959),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - MYSORE '81; M.SC. INDUSTRIAL CHEMISTRY - MYSORE '83; M.TECH. PROCESS METALLURGY - KARNATAKA '85.

SPECIALIZATIONS : PROCESS METALLURGY; HEAT TREATMENT; EXTRACTIVE METALLURGY; FOUNDRY TECHNOLOGY.

EXPERIENCE : TRAINEE, BHILAI STEEL PLANT, BHILAI, 1984; METALLURGIST, SAYEE INDUSTRIES, MADRAS, 1986; SCIENTIST B, R.R.L., TRIVANDRUM 1986-89; SCIENTIST C, R.R.L., TRIVANDRUM SINCE DECEMBER, 1989.

PRESENT ACTIVITIES : R & D IN PYROMETALLURGY OF RARE EARTH METALS.

LANGUAGES : KANNADA, HINDI, TAMIL, MALAYALAM, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 2.

7524

DR(MRS) SATHY CHANDRASEKHAR; (B. DECEMBER 4, 1948),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - KERALA '67; M.SC. CHEMISTRY - RAJASTHAN '70; PH.D. COORDINATION CHEMISTRY - RAJASTHAN '75.

SPECIALIZATIONS : ANALYSIS OF SILICATE MATERIALS; ANALYSIS OF INORGANIC MATERIALS; CERAMIC SCIENCE.

EXPERIENCE : JR. LECTURER, N.S.S COLLEGE, KERALA, 1967-68; LECTURER, UNIV. OF RAJASTHAN, 1973-75; POOL OFFICER, ROORKEE UNIVERSITY, N.C.L. AND R.R.L. TRIVANDRUM, 1977-80; RESEARCH ASSOCIATE AND SCIENTIST B, R.R.L., TRIVANDRUM, 1980-87; SCIENTIST C, R.R.L., TRIVANDRUM SINCE NOVEMBER, 1987.

PRESENT ACTIVITIES : CHARACTERIZATION OF CERAMIC RAW MATERIALS; STUDY ON ZEOLITES FROM CLAYS.

LANGUAGES : MALAYALAM, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 13, TECH. REPORTS - 4, PROCESS DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 18, APP. RES. - 8, TESTING - 10, TEACHING - 3.

7525

DR K R GOPI DAS; (B. NOVEMBER 17, 1957),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - KERALA '78; M.SC. APPLIED CHEMISTRY - COCHIN '81; PH.D. CHEMISTRY - I.I.T., KANPUR '87.

SPECIALIZATIONS : ORGANIC PHOTOCHEMISTRY; PHOTOPHYSICS.

EXPERIENCE : RESEARCH FELLOW AND RESEARCH ASSOCIATE, INDIAN INSTITUTE OF TECHNOLOGY, KANPUR, 1982-87; RESEARCH ASSOCIATE, RADIATION LABORATORY, UNIVERSITY OF NOTRE DAME, U S A, 1987-89; RESEARCH ASSOCIATE, COLUMBIA UNIVERSITY, NEW YORK, U S A, 1989-91; SCIENTIST C, R.R.L., TRIVANDRUM SINCE NOVEMBER, 1991.

PRESENT ACTIVITIES : BASIC RESEARCH IN PHOTOCHEMISTRY.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 24.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 11.

7526

DR SURESH DAS; (B. FEBRUARY 18, 1955),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - POONA '75; M.S. CHEMISTRY - UNIVERSITY OF BAGHDAD (IRAQ) '77; PH.D. PHOTO AND RADIATION CHEMISTRY - UNIVERSITY OF NEWCASTLE UPON - TYNE, U.K. '81.

SPECIALIZATIONS : PHOTOCHEMISTRY; RADIATION CHEMISTRY; FREE RADICALS REACTION; LIQUID CRYSTALS.

EXPERIENCE : MAX PLANCK FELLOW, MAX PLANCK INSTITUTE, W. GERMANY, 1981-84; POSTDOCTORAL FELLOW, RADIATION RESEARCH LABORATORY, UNIV. OF NOTRE DAME, U S A, 1984-85; POSTDOCTORAL FELLOW, UNIV. OF HOUSTON, U S A, 1985-88; SCIENTIST C, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : RESEARCH IN THE AREA OF PHOTOCHEMISTRY IN HETEROGENOUS AND POLYMER SYSTEMS.

LANGUAGES : MALAYALAM, HINDI, ENGLISH, GERMAN.
PUBLICATIONS & PATENTS : RES. PAPERS - 16.
PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.
 12.

7527

DR M GOPALAKRISHNAN; (B. AUGUST 1, 1942),
 SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.
QUALIFICATIONS : M.SC. CHEMISTRY - MEERUT '69; PH.D. CHEMISTRY - KERALA '86.
SPECIALIZATIONS : FOOD CHEMISTRY; FOOD SCIENCE & TECHNOLOGY.
EXPERIENCE : J.S.A. AND S.S.A., C.F.T.R.I., MYSORE/R.R.L., TRIVANDRUM 1970-80; SCIENTIST A AND SCIENTIST B, R.R.L., TRIVANDRUM, 1980-86; SCIENTIST C, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1986.
PRESENT ACTIVITIES : R & D IN SPICES.
LANGUAGES : MALAYALAM, HINDI, ENGLISH, GERMAN.
VISITED : GERMANY.
PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. SEMINAR REPORTS - 14, ARTICLES - 10, PROCESSES DEVELOPED - 2.
AWARDS & DISTINCTIONS : NRDC AWARD FOR CANNING OF GREEN PEPPER, 1983.
PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 6, PILOT PLANT - 2, CONSULTANCY - 1, QUALITY CONTROL - 3.

7528

DR N GOPALAKRISHNAN; (B. NOVEMBER 20, 1955).
 SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.
QUALIFICATIONS : M.SC. PHARMACEUTICAL CHEMISTRY - KERALA '78; M.SC. OILS & FATS - KERALA '79; M.A. INDUSTRIAL SOCIOLOGY - KERALA '81; PH.D. CHEMISTRY - KERALA '84; DIPLOMA IN JOURNALISM '87.
SPECIALIZATIONS : OILS AND FATS PROCESSING; HIGH PRESSURE EXTRACTION AND MICROWAVE PROCESSING.
EXPERIENCE : LECTURER, COCHIN COLLEGE, COCHIN, 1979-80; RESEARCH FELLOW, R.R.L., HYDERABAD, 1980-82; SCIENTIST B, R.R.L., TRIVANDRUM, 1982-87; SCIENTIST C, R.R.L., TRIVANDRUM SINCE DECEMBER, 1987.
PRESENT ACTIVITIES : RESEARCH IN OILS & FATS, SPICES & PERFUMES AND MICROWAVE PROCESSING.
LANGUAGES : MALAYALAM, HINDI, ENGLISH.
PUBLICATIONS & PATENTS : RES. PAPERS - 21, TECH. REPORTS - 1, POPULAR SC. ARTICLES - 3, RADIOTALKS - 12, PATENTS FILED - 1, PROCESSES DEVELOPED - 2.
AWARDS & DISTINCTIONS : D V MEMORIAL AWARD FOR BEST SCIENTIFIC PAPER, OIL TECHNOLOGISTS ASSOCIATION, 1985; GARDNER'S AWARD FOR BEST SCIENTIFIC PAPER, ASSOCIATION OF FOOD SCIENTISTS & TECHNOLOGISTS, 1986.
PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 3, APP. RES. - 6, PILOT PLANT - 1, TEACHING - 1.

7529

SHRI AJIT HARIDAS; (B. SEPTEMBER 11, 1959),
 SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7530

MRS A JAYALAKSHMI; (B. MAY 18, 1954),
 SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.
QUALIFICATIONS : B.SC. - KERALA '74; M.SC. CHEMISTRY - KERALA '76.
SPECIALIZATIONS : FLAVOUR CHEMISTRY; FOOD CHEMISTRY.
EXPERIENCE : J.S.A, C.S.I.R. COMPLEX, TRIVANDRUM, 1977-80; S.S.A., SCIENTIST A AND SCIENTIST B, R.R.L., TRIVANDRUM, 1980-88; SCIENTIST C, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1988.
PRESENT ACTIVITIES : RESEARCH ON FLAVOURS, MICROENCAPSULATION OF SPICE FLAVOURS, PROCESS FLAVOURS, SENSORY EVALUATION, ETC.
LANGUAGES : TAMIL, MALAYALAM, HINDI, ENGLISH.
VISITED : U S A
PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 1, ARTICLES - 4, PROCESSES DEVELOPED - 3.
PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES., APP. RES. - 13.

7531

DR V JOHN; (B. AUGUST 15, 1948),
 SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.
QUALIFICATIONS : B.SC. - KERALA; M.SC. PHYSICS - SARDAR PATEL UNIVERSITY; PH.D. PHYSICS - SARDAR PATEL UNIVERSITY.
SPECIALIZATIONS : PREMIUM QUALITY ALUMINIUM; SOLAR ENERGY THERMAL SYSTEMS; CRYSTAL GROWTH.
EXPERIENCE : JUNIOR LECTURER, ST. THOMAS COLLEGE, KERALA, 1978-79; SENIOR SCIENTIFIC ASSISTANT, CSIR COMPLEX, TRIVANDRUM, 1979-81; SCIENTIST B, R.R.L., TRIVANDRUM, 1981-86; SCIENTIST C, R.R.L., TRIVANDRUM SINCE 1986.
PRESENT ACTIVITIES : APPLIED RESEARCH.
LANGUAGES : MALAYALAM, HINDI, ENGLISH.
PUBLICATIONS & PATENTS : RES. PAPERS - 17, PATENTS FILED CURRENTLY - 1, PROCESSES DEVELOPED - 1.
PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 14, TESTING - 4, QUALITY CONTROL - 4.

7532

SHRI M M SREE KUMAR; (B. MAY 27, 1957),
 SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.
QUALIFICATIONS : B.SC.(ENGG) CHEMICAL - KERALA '82; M.S. CHEMICAL ENGINEERING - SUNY AT BUFFALO, U S A '85.

SPECIALIZATIONS : CHEMICAL ENGINEERING.

EXPERIENCE : TEACHING ASSISTANT, SUNY AT BUFFALO, U S A, 1983-85; PRODUCTION ENGINEER, BOMBAY OIL INDUSTRIES, ANGAMALLY, 1985-86; SCIENTIST B, R.R.L., TRIVANDRUM, 1986-89; SCIENTIST C, R.R.L., TRIVANDRUM SINCE NOVEMBER, 1989.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 7, TECH. REPORTS - 3, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 4, PRODUCTION - 1, TEACHING - 2.

7533

MRS SATHYAVATHY K KUTTY; (B. FEBRUARY 13, (1938),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : ASSOCIATE, C.F.T.R.I. FOOD TECHNOLOGY - C.F.T.R.I., MYSORE '60.

SPECIALIZATIONS : FOOD SCIENCE AND TECHNOLOGY; FRUITS AND VEGETABLES TECHNOLOGY; POST-HARVEST TECHNOLOGY OF SPICES AND PLANTATION PRODUCTS.

EXPERIENCE : J.S.A. AND S.S.A., REGIONAL RESEARCH STATION (C.F.T.R.I.), TRICHUR, 1961-75; SCIENTIST A AND SCIENTIST B, R.R.L., TRIVANDRUM, 1975-86; SCIENTIST C, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1986.

PRESENT ACTIVITIES : R & D; EXTENSION.

LANGUAGES : MALAYALAM, HINDI, SANSKRIT, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 52, TECH. REPORTS - 4, ARTICLES - 2, PROCESSES DEVELOPED - 5, PROCESSES UNDER UTILISATION - 5.

AWARDS & DISTINCTIONS : N N MOHAN MEMORIAL AWARD FOR STUDIES ON PREVENTING THE WHITE PATCHES IN CANNED PINEAPPLE, 1977; NRDC AWARD FOR DEVELOPING A PROCESS FOR CANNING OF GREEN PEPPER, 1983; BEST PAPER AWARD ON CANNING OF TENDER COCONUT, ASSOCIATION OF FOOD SCIENTISTS AND TECHNOLOGISTS, 1988.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. 29.

7534

DR N S MANI; (B. MAY 19, 1957),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - CALICUT '77; M.SC. CHEMISTRY - CALICUT '79; PH.D. ORGANIC CHEMISTRY - I.I.S.C., BANGALORE '85.

SPECIALIZATIONS : ORGANIC CHEMISTRY; SYNTHETIC ORGANIC CHEMISTRY.

EXPERIENCE : POST DOCTORAL RESEARCH, WOLFSON FOUNDATION, U.K. AND NORTH WESTERN UNIVERSITY, U S A, 1985-87; C.S.I.R. FELLOW AND SCIENTIST B, R.R.L., TRIVANDRUM 1987-88; SCIENTIST C, R.R.L., TRIVANDRUM SINCE AUGUST, 1988.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

VISITED : U.K., U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 5, PATENTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 9.

7535

MRS A NIRMALA MENON; (B. JUNE 20, 1952),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : M.SC. CHEMISTRY - KERALA '73.

SPECIALIZATIONS : FATS, OILS AND AROMATICS; SPICES CHEMISTRY; FOOD SCIENCE; SYNTHESIS OF AROMA CHEMICALS.

EXPERIENCE : J.S.A., S.S.A., SCIENTIST A AND SCIENTIST B, R.R.L., TRIVANDRUM, 1980-84; SCIENTIST C, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1984.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, TECH. REPORTS - 1, ARTICLES - 2, PAPERS PRESENTED IN SYMPOSIA - 10, PATENTS FILED - 2, PROCESSES DEVELOPED - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC AND APP. RES. - 10.

7536

SHRI A R RAVINDRA NATHA MENON; (B. NOVEMBER 3, 1956),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - KERALA '77; B.TECH. POLYMER SCIENCE AND RUBBER TECHNOLOGY - COCHIN '80.

SPECIALIZATIONS : POLYMER SCIENCE; RUBBER TECHNOLOGY; RUBBER PRODUCTS DEVELOPMENT.

EXPERIENCE : RUBBER TECHNOLOGIST, M/S SAKTHI HOSE AND TUBES, KERALA, 1981-83; SCIENTIST B, R.R.L., TRIVANDRUM, 1983-88; SCIENTIST C, R.R.L., TRIVANDRUM SINCE MARCH, 1988.

PRESENT ACTIVITIES : R & D ON POLYMERS.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 8, TECH. REPORTS - 2, PATENTS FILED - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 6, PRODUCTION - 2.

7537

SHRI K MURALIDHARAN NAIR; (B. APRIL 14, 1945),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7538

DR K RAVINDRAN NAIR; (B. JANUARY 29, 1948),
SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - KERALA '66; M.SC. CHEMISTRY - KERALA '68; PH.D. SOLID STATE CHEMISTRY - I.I.S.C., BANGALORE '74.

SPECIALIZATIONS : SOLID STATE CHEMISTRY; CRYSTAL GROWTH; HIGH TC SUPERCONDUCTORS.

EXPERIENCE : POST-DOCTORAL WORK, DEPARTMENT OF INORGANIC AND PHYSICAL CHEMISTRY, I.I.S.C., BANGALORE 1974-81; P.D.F., RUTGERS UNIVERSITY, 1981-83; R.A., R.R.L., TRIVANDRUM, 1984-86; SCIENTIST C, R.R.L., TRIVANDRUM SINCE APRIL, 1986.

PRESENT ACTIVITIES : RESEARCH.

7539

DR(MISS) MANGALAM S NAIR; (B. MAY 16, 1956),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - KERALA '76; M.SC. CHEMISTRY - B.H.U. '78; PH.D. ORGANIC CHEMISTRY - HYDERABAD CENTRAL UNIV. '85.

SPECIALIZATIONS : ORGANIC SYNTHESIS.

EXPERIENCE : POSTDOCTORAL RESEARCH, U.S.A., 1985-87; SCIENTIST C, R.R.L., TRIVANDRUM SINCE AUGUST, 1988.

PRESENT ACTIVITIES : RESEARCH IN THE AREA OF CHIRAL AND ACHIRAL NATURAL PRODUCTS, PHEROMONES AND POLYCYCLIC CAGE COMPOUNDS OF THEORETICAL INTEREST.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

VISITED : U.S.A.

PUBLICATIONS & PATENTS : RES. PAPERS - 14, PAPER PATENTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10.

7540

DR ASHOK PANDEY; (B. JANUARY 1, 1956),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - KANPUR '74; M.SC. CHEMISTRY - KANPUR '76; PH.D. MICROBIOLOGY - ALLAHABAD '79.

SPECIALIZATIONS : INDUSTRIAL BIOTECHNOLOGY; FERMENTATION TECHNOLOGY.

EXPERIENCE : SCIENTIST, BIOCHEM. DIV., NATIONAL SUGAR INST., KANPUR, 1982-85; R.A., CHEMISTRY DEPARTMENT, ALLAHABAD UNIVERSITY, ALLAHABAD, 1985; SCIENTIST, BIOTECHNOLOGY GROUP, CENTRAL LAB., SUDZUCKER, GERMANY, 1985-86; FELLOW SCIENTIST, BIOTECHNOLOGY UNIT, R.R.L., TRIVANDRUM, 1987-88; SCIENTIST C, R.R.L., TRIVANDRUM SINCE AUGUST, 1988.

PRESENT ACTIVITIES : R & D ON INDUSTRIAL BIOTECHNOLOGY AND ALSO SAFETY OFFICER OF THE LABORATORY.

LANGUAGES : HINDI, ENGLISH, GERMAN, FRENCH.

PUBLICATIONS & PATENTS : PATENTS - 1, PAPERS - 8.

AWARDS & DISTINCTIONS : YOUNG SCIENTIST AWARD, S.T.E.C., GOVT OF KERALA, 1989.

PROFESSIONAL EXPERIENCE(IN YEARS) : 18

7541

DR C PAVITHRAN; (B. MARCH 10, 1950),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : M.SC. ANALYTICAL CHEMISTRY - KERALA '72; PH.D. INORGANIC CHEMISTRY - KERALA '78.

SPECIALIZATIONS : POLYMER MATRIX COMPOSITES; ANALYTICAL CHEMISTRY; COORDINATION COMPOUNDS.

EXPERIENCE : SCIENTIST B, R.R.L., TRIVANDRUM 1978-83; SCIENTIST C, R.R.L., TRIVANDRUM SINCE SEPTEMBER, 1983.

PRESENT ACTIVITIES : DEVELOPMENT OF NATURAL FIBRE REINFORCED POLYMER COMPOSITES.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 22, TECH. REPORTS - 6.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 10.

7542

DR(MRS) P PREMA; (B. MAY 23, 1951),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7543

SHRI P RAGHAVAN; (B. MAY 7, 1952),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC.(ENGG) CHEMICAL - CALICUT '75; M.TECH. CHEMICAL - I.I.T., KHARAGPUR '77.

SPECIALIZATIONS : MINERAL ENGINEERING.

EXPERIENCE : PROBATIONER ENGINEER, ENGINEER (ORE DRESSING) AND SR. ENGINEER (ORE DRESSING), HINDUSTAN ZINC LTD., UDAIPUR, 1977-87; SCIENTIST B (ADHOC), R.R.L., TRIVANDRUM, 1987-88; SCIENTIST C, R.R.L., TRIVANDRUM SINCE AUGUST, 1988.

PRESENT ACTIVITIES : BENEFICIATION AND TECHNOLOGY DEVELOPMENT FOR CLAYS AND RELATED MINERALS/MATERIALS.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 3, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : TECHNOLOGY DEV. - 3, PILOT PLANT - 2, PROJECT CONSTRUCTION - 2, QUALITY CONTROL - 3, PRODUCTION - 3.

7544

SHRI K C M RAJA; (B. MAY 30, 1941),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7545

DR P P RAO; (B. APRIL 5, 1959),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7546

DR M LAKSHMIPATHY REDDY; (B. JUNE 1, 1955),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7547

DR(MRS) ROSCHAN SASIKUMAR; (B. MAY 23, 1953),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7548

SHRI M C SHAJI; (B. AUGUST 19, 1957),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS: B.SC. - KERALA '78; B.E. METALLURGY - I.I.S.C., BANGALORE '81; M.E. METALLURGY - I.I.S.C., BANGALORE '83.**SPECIALIZATIONS:** FOUNDRY TECHNOLOGY; CORROSION COMPOSITE MATERIALS.**EXPERIENCE:** SCIENTIST B, R.R.L., TRIVANDRUM, 1983-88; SCIENTIST C, R.R.L., TRIVANDRUM SINCE MARCH, 1988.**PRESENT ACTIVITIES:** RESEARCH.**LANGUAGES:** MALAYALAM, HINDI, ENGLISH.**PUBLICATIONS & PATENTS:** RES. PAPERS - 9, TECH. REPORTS - 12.**PROFESSIONAL EXPERIENCE(IN YEARS):** APP. RES. - 7, CONSULTANCY - 3.

7549

DR N SREEDHARA; (B. JANUARY 26, 1951),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS: M.SC. FOOD SCIENCE & TECHNOLOGY - MYSORE '79; PH.D. FOOD SCIENCE & BIOCHEMISTRY '90.**SPECIALIZATIONS:** FOOD SCIENCE AND TECHNOLOGY; PROTEIN BIOCHEMISTRY OF OILSEEDS AND LEGUMES; OILSEEDS AND LEGUMES; METABOLISM OF LIPIDS GLYCOPROTEINS.**EXPERIENCE:** LABORATORY TECHNICIAN AND S.L.A., C.F.T.R.I., 1971-80; S.S.A., SCIENTIST A AND SCIENTIST B, R.R.L., TRIVANDRUM, 1980-88; SCIENTIST C, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES:** RESEARCH.**LANGUAGES:** KANNADA, HINDI, TAMIL, MALAYALAM, ENGLISH.**PUBLICATIONS & PATENTS:** RES. PAPERS - 7, TECH. REPORTS - 3, PATENTS FILED - 2, PROCESSES DEVELOPED - 3.**PROFESSIONAL EXPERIENCE(IN YEARS):** BASIC RES. AND APPLIED RES. - 19.

7550

SHRI K SUKUMARAN; (B. DECEMBER 19, 1950),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS: B.SC. - CALICUT '71; A.M.I.I.M. - INDIAN INST. OF METALS '76.**SPECIALIZATIONS:** MATERIALS LISTING (METALLURGY).**EXPERIENCE:** S.L.A., N.M.L., JAMSHEDPUR, 1974-78; S.S.A., SCIENTIST A AND SCIENTIST B, R.R.L., TRIVANDRUM, 1978-88; SCIENTIST C, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES:** R & D.**LANGUAGES:** MALAYALAM, HINDI, ENGLISH.**PUBLICATIONS & PATENTS:** RES. PAPERS - 18, TECH. REPORTS - 20, PROCESSES DEVELOPED - 1.**PROFESSIONAL EXPERIENCE(IN YEARS):** APP. RES. - 10, TESTING - 15, QUALITY CONTROL - 5.

7551

MRS M A SUMATHYKUTTY; (B. AUGUST 30, 1947),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS: B.SC. - JABALPUR '69; M.SC. CHEMISTRY - JABALPUR '71.**SPECIALIZATIONS:** NATURAL PRODUCTS CHEMISTRY; POST HARVEST TECHNOLOGY OF SPICES.**EXPERIENCE:** DEMONSTRATOR AND RESEARCH TRAINEE, KERALA GOVT., 1972-76; S.R.F. AND J.S.A., C.S.I.R. COMPLEX, TRIVANDRUM, 1976-81; S.S.A. AND SCIENTIST B, R.R.L., TRIVANDRUM, 1981-88; SCIENTIST C, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1988.**PRESENT ACTIVITIES:** NATURAL PRODUCTS; BIORATIONAL METHODS OF INSECT CONTROL.**LANGUAGES:** MALAYALAM, HINDI, ENGLISH.**PUBLICATIONS & PATENTS:** RES. PAPERS - 25, TECH. REPORTS - 2, ARTICLES - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1, PATENTS - 1.**AWARDS & DISTINCTIONS:** GARDNER'S AWARD FOR BEST RESEARCH PAPER IN THE JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, 1980.**PROFESSIONAL EXPERIENCE(IN YEARS):** BASIC RES. AND APP. RES. - 10, CONSULTANCY - 1, TESTING AND QUALITY CONTROL - 2.

7552

DR A SUNDRESAN; (B. JULY 7, 1959),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.E. CHEMICAL ENGINEERING - ANNAMALAI '81; M.TECH CHEMICAL ENGINEERING - ANNA '83; PH.D. CHEMICAL ENGINEERING - I.I.T., MADRAS '86.

SPECIALIZATIONS : MASS TRANSFER; OIL TECHNOLOGY.

EXPERIENCE : SCIENTIST B, R.R.L., TRIVANDRUM, 1986-89; SCIENTIST C, R.R.L., TRIVANDRUM SINCE JULY, 1989.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TAMIL, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1, PROCESSES DEVELOPED - 1, PROCESSES UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : DESIGN - 2.

7553

SHRI V P THOMAS; (B. DECEMBER 28, 1940),

EXECUTIVE ENGINEER (C), REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC.(ENGG) CIVIL - CALICUT '78; PGD IN CONSTRUCTION MGMT. - DELHI PRODUCTIVITY COUNCIL '89; M.A. PUBLIC ADMINISTRATION - MADRAS '93.

EXPERIENCE : COMMISSIONED OFFICER(CAPTAIN), INDIAN ARMY, 1979-84; A.E.E., BORDER ROADS ORGANISATION, MINISTRY OF SURFACE TRANSPORT, 1985-87; EXECUTIVE ENGINEER (C), R.R.L., TRIVANDRUM SINCE JUNE, 1987.

7554

MRS M OMANAKUTTY AMNA; (B. OCTOBER 7, 1953),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - KERALA '74; M.SC. FOOD TECHNOLOGY - MYSORE '77.

EXPERIENCE : J.S.A., S.S.A. AND SCIENTIST A, R.R.L., TRIVANDRUM, 1980-86; SCIENTIST B, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1986.

7555

SHRI D BHEEMESWAR; (B. JANUARY 24, 1959),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7556

DR A G GAIKWARD; (B. MARCH 1, 1954),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7557

DR AJAY GHOSH; (B. JULY 30, 1962),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - KERALA '82; M.SC. CHEMISTRY - CALICUT '84; PH.D. CHEMISTRY - CALICUT '89.

SPECIALIZATIONS : POLYMER SUPPORTED SYNTHESIS; PEPTIDE CHEMISTRY; PHOTOCHEMISTRY; POLYMER CHEMISTRY.

EXPERIENCE : SCIENTIST B, R.R.L., TRIVANDRUM SINCE AUGUST, 1988.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 11.

AWARDS & DISTINCTIONS : MERIT CERTIFICATE FOR BEST PAPER PRESENTATION - INDIAN CHEMICAL SOCIETY, 1987; YOUNG SCIENTIST AWARD, ISCA, 1988.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, TEACHING - 3.

7558

SHRI SWAPAN KUMAR GHOSH; (B. JULY 25, 1958),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC.(HONS) CHEMISTRY - CALCUTTA '80; B.TECH. CHEMICAL TECH. - CALCUTTA '83; M.TECH. CERAMIC TECHNOLOGY - CALCUTTA '84.

SPECIALIZATIONS : FINE CERAMICS; CEMENT TECHNOLOGY; CLAY MINERALOGY.

EXPERIENCE : SCIENTIST B, R.R.L., TRIVANDRUM SINCE MAY, 1986.

PRESENT ACTIVITIES : RESEARCH IN FINE CERAMICS, CLAY AND WHITE PIGMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 2.

7559

SHRI R JAGANNATHAN; (B. MAY 29, 1970),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.E. ELECTRONICS & COMMUNICATION ENGINEERING - BHARATHIAR '91.

EXPERIENCE : SCIENTIST B, R.R.L., TRIVANDRUM SINCE MARCH, 1992.

PRESENT ACTIVITIES : DESIGN AND DEVELOPMENT; REPAIR AND MAINTENANCE OF ELECTRONIC EQUIPMENTS.

7560

DR R JAMUNA; (B. SEPTEMBER 5, 1957),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7561

SHRI V S KELUKUTTY; (B. SEPTEMBER 21, 1940),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : M.SC. CHEMISTRY - A.M.U. '69.**SPECIALIZATIONS :** FOUNDRY AND EXTRACTIVE METALLURGY; RHEOCASTING; METALLURGICAL ANALYSIS.**EXPERIENCE :** S.L.A., N.M.L., JAMSHEDPUR 1971-78; S.L.A. AND S.A., R.R.L., TRIVANDRUM, 1981-83; SCIENTIST B, R.R.L., TRIVANDRUM SINCE OCTOBER, 1983.**PRESENT ACTIVITIES :** R & D IN RHEOCASTING.**LANGUAGES :** HINDI, SANSKRIT, MALAYALAM, BENGALI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 11, TECH. REPORTS - 2, PATENTS FILED - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC & APP. RES. - 20.

7562

SHRI MANOJ KUMAR; (B. JANUARY 15, 1962),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7563

MRS RUGMINISU KUMAR; (B. DECEMBER 10, 1954),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7564

SHRI S ANANTHA KUMAR; (B. JUNE 15, 1969),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.TECH. (ENGG.) CHEMICAL - ANNA '90; M.TECH. CERAMIC TECH. - ANNA '92.**SPECIALIZATIONS :** INDUSTRIAL CERAMICS; ELECTRO-CERAMIC MATERIALS.**EXPERIENCE :** SCIENTIST B, R.R.L., TRIVANDRUM SINCE APRIL, 1992.**PRESENT ACTIVITIES :** R & D.

7565

DR V B MANILAL; (B. AUGUST 2, 1956),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. ZOOLOGY - KERALA '78; M.SC. LIFE SCIENCES - S.P. UNIV. '81; PH.D. MICROBIOLOGY - KERALA '88.**SPECIALIZATIONS :** BIOLOGICAL WASTE WATER TREATMENT; ENVIRONMENTAL MICROBIOLOGY; FERMENTATION CHEMISTRY.**EXPERIENCE :** P.D.F., COYNELL UNIVERSITY, ITHACA, U S A, 1987-89; FELLOW CSIR, R.R.L., TRIVANDRUM, 1989-92; SCIENTIST B, R.R.L., TRIVANDRUM SINCE JUNE, 1992.**PRESENT ACTIVITIES :** RESEARCH IN BIOLOGICAL WASTE WATER TREATMENT (AEROBIC & ANAEROBIC).**LANGUAGES :** MALAYALAM, HINDI, ENGLISH.**VISITED :** U S A, CANADA, U.K.**PUBLICATIONS & PATENTS :** PAPERS - 15.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RESEARCH - 13.

7566

DR MOHD MUNEEB; (B. OCTOBER 1, 1960),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - A.M.U. '79; M.SC. CHEMISTRY - A.M.U. '81; PH.D. ORGANIC CHEMISTRY - I.I.T., KANPUR '88.**SPECIALIZATIONS :** PHOTOCHEMISTRY; PHOTOELECTROCHEMISTRY; ORGANIC CHEMISTRY; ELECTRON TRANSFER REACTIONS.**EXPERIENCE :** POST-DOCTORAL FELLOW, I.I.T., KANPUR, 1987-1988; SCIENTIST B, R.R.L., TRIVANDRUM SINCE NOVEMBER, 1988.**PRESENT ACTIVITIES :** RESEARCH IN PHOTOCHEMISTRY.**LANGUAGES :** HINDI, URDU, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 6.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 9, TEACHING - 5.

7567

DR U T S PILLAI; (B. MAY 14, 1957),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - MADURAI '77; M.SC. APPLIED SCIENCE - MADRAS '79; PH.D. FRACTURE MECHANICS - I.I.T., DELHI '87.**SPECIALIZATIONS :** FRACTURE MECHANICS; COMPOSITE MATERIALS.**EXPERIENCE :** S.S.O., I.I.T., NEW DELHI, 1987-88; R.A., R.R.L., TRIVANDRUM, 1988; SCIENTIST B, R.R.L., TRIVANDRUM SINCE NOVEMBER, 1988.**PRESENT ACTIVITIES :** RESEARCH.

428

LANGUAGES : TAMIL, MALAYALAM, HINDI, GERMAN, FRENCH.

VISITED : U S A, JAPAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 10.

7568

DR D RAMAIAH; (P. JUNE 4, 1958),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - OSMANIA '79; M.SC. CHEMISTRY - KAKATIYA '81; PH.D. CHEMISTRY - I.I.T., KANPUR '88.

SPECIALIZATIONS : PHOTOCHEMISTRY; ORGANIC CHEMISTRY; APPLIED CHEMISTRY; PHOTOELECTROCHEMISTRY.

EXPERIENCE : POST DOCTORAL FELLOW, I.I.T., KANPUR 1988; SCIENTIST B, R.R.L., TRIVANDRUM SINCE OCTOBER, 1988.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TELUGU, HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 9, TEACHING - 5.

7569

SHRI S RAMESHA; (B. JULY 20, 1960),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. - MYSORE '82; M.SC. CHEMISTRY - MYSORE '84.

SPECIALIZATIONS : BIOCHEMISTRY; ORGANIC CHEMISTRY.

EXPERIENCE : RESEARCH FELLOW, RAMAN RESEARCH INSTITUTE, BANGALORE, 1984-87; SCIENTIST, KEMPELL PVT. LTD., 1990-91; SCIENTIST B, R.R.L., TRIVANDRUM SINCE AUGUST, 1992.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : KANNADA, ENGLISH, TAMIL, HINDI.

VISITED : U S A

7570

SHRI M RAVI; (B. MARCH 22, 1963),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.E. METALLURGY - MADRAS '85.

SPECIALIZATIONS : MATERIALS SCIENCE; NON-DESTRUCTIVE TESTING OF METALS AND FAILURE ANALYSIS; POWDER METALLURGY; METALLURGY OF TOOL STEELS.

EXPERIENCE : ASSISTANT ENGINEER (METHODS), HINDUSTAN AERONAUTICS LTD., ORISSA, 1986-89; SCIENTIST B, R.R.L., TRIVANDRUM SINCE MARCH, 1989.

PRESENT ACTIVITIES : R & D ON ALUMINIUM ALLOYS.

LANGUAGES : TAMIL, HINDI, TELUGU, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : PRODUCTION - 2 1/2, RES. EXPERIENCE - 1 1/2.

7571

DR(MRS) S SAVITHRI; (B. JULY 19, 1963),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. MATHEMATICS - MADURAI KAMRAJ '83; M.SC. MATHEMATICS - MADURAI KAMRAJ '85; PH.D. MATHEMATICS - I.I.T., MADRAS '91.

SPECIALIZATIONS : MATHEMATICAL MODELLING; DEFLECTION ANALYSIS OF COMPOSITE STRUCTURES; NON-LINEAR MECHANICS.

EXPERIENCE : SCIENTIST B, C-MMACS, N.A.L., BANGALORE, 1992; SCIENTIST B, R.R.L., TRIVANDRUM SINCE JULY, 1992.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : TAMIL, MALAYALAM, ENGLISH.

7572

SHRI P SELVAKUMAR; (B. MAY 31, 1967),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. ZOOLOGY - MADURAI KAMRAJ '87; M.SC. BIOLOGY - MADURAI KAMRAJ '89; M.TECH. BIOTECHNOLOGY - ANNA '92.

SPECIALIZATIONS : ADVANCED MICROBIAL TECHNOLOGY; FERMENTATION TECHNOLOGY.

EXPERIENCE : SCIENTIST B, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1992.

PRESENT ACTIVITIES : BASIC & APPLIED RESEARCH IN MICROBIAL AND FERMENTATION TECHNOLOGY.

LANGUAGES : TAMIL, ENGLISH, MALAYALAM.

PUBLICATIONS & PATENTS : RES. PAPERS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 1, EDITING - 1, APP. RES. - 1.

7573

SHRI K A SREEDHARAN; (B. OCTOBER 24, 1944),

ASSISTANT EXECUTIVE ENGINEER (B), REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : DIPLOMA IN CIVIL ENGG. - KERALA '64; B.TECH. CIVIL - KERALA '90.

SPECIALIZATIONS : REINFORCED CEMENT CONCRETE STRUCTURES; HYDRAULIC STRUCTURES; IRRIGATION DISTRIBUTION SYSTEMS.

EXPERIENCE : SURVEYOR, M/S ROCKWELL ENGINEERING COMPANY, COCHIN 1964-65; JR. ENGINEER, IRRIGATION DEPARTMENT, GOVT. OF MAHARASHTRA, 1965-78; ASSISTANT ENGINEER (A) R.R.L., TRIVANDRUM, 1978-84; ASSISTANT EXECUTIVE ENGINEER (B), R.R.L., TRIVANDRUM SINCE FEBRUARY, 1984.

PRESENT ACTIVITIES : CONSTRUCTION AND MAINTENANCE OF LABORATORY BUILDING.

LANGUAGES : MALAYALAM, HINDI, MARATHI, ENGLISH.

PUBLICATIONS & PATENTS : TECH. REPORTS - 20, ARTICLES - 10, SHORT STORIES - 6, NOVELS - 2.

PROFESSIONAL EXPERIENCE (IN YEARS) : DESIGN - 5, CONSTRUCTION - 20, TESTING - 1, MAINTENANCE - 2, SURVEY OF NATURAL RESOURCES - 1.

7574

SHRI B SUDHAKAR; (B. JUNE 14, 1965),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7575

DR(MRS) R LUXMI VARMA; (B. MARCH 4, 1959),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

7576

MRS SANTHOSH BABU; (B. AUGUST 16, 1952),

SCIENTIST A, REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. MATHEMATICS - CALICUT '72; M.SC. STATISTICS - KERALA '75; B.LIB.SC. - KERALA '76; CERTIFICATE IN RUSSIAN LANGUAGE - KERALA '78.

SPECIALIZATIONS : LIBRARY SCIENCE.

EXPERIENCE : AD-HOC LIBRARIAN, ALL INDIA RADIO, CALICUT 1976-77; PROFESSIONAL ASSISTANT, CENTRE FOR DEVELOPMENT STUDIES, TRIVANDRUM, 1977-78; LIBRARY ASSISTANT, R.R.L., TRIVANDRUM, 1978-89; SCIENTIST A, R.R.L., TRIVANDRUM SINCE FEBRUARY, 1989.

PRESENT ACTIVITIES : SPECIAL LIBRARIANSHIP.

LANGUAGES : MALAYALAM, ENGLISH, HINDI, RUSSIAN.

7577

SHRI S JAYPRAKASH; (B. DECEMBER 5, 1946),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. MATHEMATICS - KERALA '67.

EXPERIENCE : J.L.A., ITRC, LUCKNOW, 1970-77; S.L.A., J.T.A. AND S.T.A., R.R.L., TRIVANDRUM, 1977-91; TECHNICAL OFFICER (A), R.R.L., TRIVANDRUM SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : COMPUTER PROCESSING.

LANGUAGES : MALAYALAM, ENGLISH, HINDI.

7578

SHRI P MUKUNDAN; (B. OCTOBER 14, 1948),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - KERALA '69.

SPECIALIZATIONS : CERAMIC PROCESSING AND CHARACTERIZATION.

EXPERIENCE : LAB. ASSISTANT ENGLISH INDIAN CLAYS LTD. TRIVANDRUM, 1973-76; S.L.A., J.T.A. AND S.T.A., 1976-91; TECHNICAL OFFICER (A), R.R.L., TRIVANDRUM SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : TECHNICAL SUPPORT IN RESEARCH.

LANGUAGES : MALAYALAM, ENGLISH, HINDI.

7579

SHRI V PARAMESWARAN NAIR; (B. JANUARY 18, 1946),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : DIPLOMA IN ELECTRICAL ENGINEERING - MILITARY COLLEGE OF ELECTRONICS & MECHANICAL ENGINEERING, SECUNDRABAD '65.

SPECIALIZATIONS : REPAIRING AND MAINTENANCE OF ARMoured VEHICLES; ELECTRICAL SYSTEMS AND AC AND DC MACHINES.

EXPERIENCE : CRAFTSMAN, CORPS OF ELECTRICAL AND MECHANICAL, INDIAN ARMY, 1953 - 62; JUNIOR COMMISSIONED OFFICER, INDIAN ARMY, 1962-79; S.T.A., R.R.L., TRIVANDRUM, 1980-91; TECHNICAL OFFICER (A), R.R.L., TRIVANDRUM SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : REPAIR AND MAINTENANCE OF SOPHISTICATED INSTRUMENTS.

LANGUAGES : MALAYALAM, ENGLISH, HINDI, TAMIL.

7580

SHRI P KRISHNA PILLAI; (B. JULY 4, 1946),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - KERALA '70.

SPECIALIZATIONS : CERAMIC PROCESSING AND CHARACTERIZATION.

EXPERIENCE : S.L.A., TECH. ASST. AND S.T.A., R.R.L., TRIVANDRUM, 1976-91; TECHNICAL OFFICER (A), R.R.L., TRIVANDRUM SINCE MAY, 1991.

PRESENT ACTIVITIES : TECHNICAL SUPPORT FOR RESEARCH.

LANGUAGES : MALAYALAM, ENGLISH, HINDI, TAMIL.

7581

SHRI S G K PILLAI; (B. JUNE 6, 1949),

TECHNICAL OFFICER (A), REGIONAL RESEARCH LABORATORY, TRIVANDRUM.

QUALIFICATIONS : B.SC. CHEMISTRY - KERALA '72.

SPECIALIZATIONS : OPTICAL MICROSCOPY; METALLOGRAPHY; MECHANICAL TESTING.

EXPERIENCE : S.L.A., N.M.L., JAMSHEDPUR 1974-78; S.L.A., J.T.A. AND S.T.A., R.R.L., TRIVANDRUM, 1978-91; TECHNICAL OFFICER (A), R.R.L., TRIVANDRUM SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : MECHANICAL TESTING.

LANGUAGES : MALAYALAM, HINDI, ENGLISH.

7582LIBRARY OFFICER (A), REGIONAL RESEARCH LABORATORY,
TRIVANDRUM.**SHRI K P SADASIVAN; (B. JANUARY 31, 1947),**

**Regional Research Laboratory,
Bhopal**

7583

DR T C RAO; (B. SEPTEMBER 18, 1940),

DIRECTOR, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC.(HONS) GEOLOGY - ANDHRA '59; M.SC. GEOLOGY (ORE DRESSING) - ANDHRA '60; PH.D. MINERAL ENGINEERING - QUEENSLAND, AUSTRALIA '65.**SPECIALIZATIONS :** MINERAL AND COAL PREPARATION; R & D MANAGEMENT; PLANT AUDITING AND OPTIMISATION; MODELLING AND SIMULATION.**EXPERIENCE :** RESEARCH OFFICER, UNIV. OF QUEENSLAND, AUSTRALIA, 1961-65; RESEARCH OFFICER, BROKEN HILL PROP CO LTD., 1966-67; LECTURER AND ASSISTANT PROFESSOR, I.I.T., KANPUR, 1967-77; (ALSO PART-TIME LECTURER AND RESEARCHER, AUSTRALIA, 1973-75); PROFESSOR, I.S.M., DHANBAD, 1977-89; DIRECTOR, R.R.L., BHOPAL SINCE OCTOBER, 1989; (ALSO VISITED U.S.A. AND U.K. ON COLLABORATIVE RESEARCH PROJECTS AND AS EXPERT IN COAL PREPARATION).**PRESENT ACTIVITIES :** R & D MANAGEMENT IN MATERIALS SCIENCE. LANGUAGES: TELUGU, HINDI, ENGLISH.**VISITED :** AUSTRALIA, CANADA, U.K., U S A**PUBLICATIONS & PATENTS :** RES. PAPER - 180, TECH. REPORTS - 50, SCIENTIFIC BOOKS - 2.**AWARDS & DISTINCTIONS :** NATIONAL MINERAL AWARD FOR BENEFICIATION OF COAL, MINISTRY OF STEEL, MINES AND COAL, GOI, 1978-79; INDRANI AWARD FOR METALLURGY, MINING, GEOLOGICAL AND METALLURGICAL INST OF INDIA, 1983-84; NATIONAL METALLURGISTS' DAY AWARD FOR STUDY ON BENEFICIATION OF COAL WASHERY, MINISTRY OF STEEL & MINES, GOI, 1985; PT LAJJA SHANKAR JHA AWARD IN ENGINEERING & TECHNOLOGY, MADHYA PRADESH GOVERNMENT, 1990.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES., APP. RES. - 15, TEACHING - 22, PLANNING - 14, CONSULTANCY - 13, R & D MGMT. - 7, ADMN. - 7.

7584

DR KUNAL BASU; (B. SEPTEMBER 21, 1947),

SCIENTIST F, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.E. METALLURGICAL ENGG. - CALCUTTA '69; M.S. METALLURGICAL ENGG. - STATE UNIV. OF NEW YORK AT BUFFALO, U S A '73; PH.D. METALLURGICAL ENGG. - STATE UNIV. OF NEW YORK AT BUFFALO, U S A '75.**SPECIALIZATIONS :** METALLURGICAL ENGINEERING; MATERIALS SCIENCE; MATERIALS FOR ELECTRICAL INDUSTRY; MECHANICAL ENGINEERING; CONTRACT MATERIALS.**EXPERIENCE :** GRADUATE TRAINEE, SAIL, ROURKELA 1969-70; METALLURGIST, WILBAR CASTING CO., BUFFALO, U S A 1975-76; GROUP LEADER, M/S JYOTI LTD., BARODA 1976-79; MANAGER-IN-CHARGE (PLANNING), ERDA, BARODA 1979-86; SCIENTIST F, R.R.L., BHOPAL SINCE DECEMBER, 1986.**PRESENT ACTIVITIES :** R & D IN COPPER-GRAPHITE MATERIALS; SQUEEZE CASTING AND CONTRACT MATERIALS.**LANGUAGES :** BENGALI, HINDI, ENGLISH.**VISITED :** U S A, FRANCE, GERMANY, U.K.**PUBLICATIONS & PATENTS :** RES. PAPERS - 12, TECH. REPORTS - 40, ARTICLES - 10, PROCESSES DEVELOPED - 6, PROCESSES UNDER UTILISATIONS.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 5, APP. RES. - 3, DESIGN - 1, TECHNICAL DIV. - 4, CONSULTANCY - 4, R & D MGMT. - 12, TESTING - 10, QUALITY CONTROL - 5, PRODUCTION - 1, TEACHING - 10, PLANNING - 6.

7585

SHRI S K BOSE; (B. JULY 2, 1936),

SCIENTIST F, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. - ALLAHABAD '55; M.SC. PHYSICS - ALLAHABAD '57; CERTIFICATE IN FRENCH LANGUAGE - UNIV. OF CAEN, FRANCE.**SPECIALIZATIONS :** X-RAY CRYSTALLOGRAPHY; ALLOY DEVELOPMENT THROUGH RAPID SOLIDIFICATION PROCESSING; CERAMIC MAGNETIC MATERIALS.**EXPERIENCE :** S.S.A., J.S.O., SCIENTIST B, SCIENTIST C, SCIENTIST EI AND SCIENTIST EII, R.R.L., BHOPAL, 1959-90; (ALSO ADVANCED RESEARCH IN PHYSICAL METALLURGY UNDER INDO-FRENCH TECHNICAL COOPERATION PROGRAMME, FRANCE 1967-68); SCIENTIST F, R.R.L., BHOPAL SINCE OCTOBER, 1990.**PRESENT ACTIVITIES :** R & D IN AL.BASE ENGG. ALLOYS. LANGUAGES : BENGALI, HINDI, ENGLISH, FRENCH.**VISITED :** FRANCE.**PUBLICATIONS & PATENTS :** RES. PAPER - 20, TECH. REPORTS - 8, PROCESSES DEVELOPED - 1.**PROFESSIONAL EXPERIENCE(IN YEARS) :** APP. RES. - 29, MAINTENANCE - 18, TEACHING - 5, ADMN. - 8.

7586

DR NAVIN CHAND; (B. DECEMBER 15, 1955),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. - AGRA '73; M.SC. PHYSICS - AGRA '75; PH.D. TEXTILE TECHNOLOGY - I.I.T., DELHI '80.**SPECIALIZATIONS :** POLYMER FIBRE PHYSICS; MATERIALS SCIENCE; COMPOSITE MATERIALS.**EXPERIENCE :** SCIENTIST B, N.C.L., PUNE, 1979-82; SCIENTIST C, R.R.L., BHOPAL 1982-89; SCIENTIST EI, R.R.L., BHOPAL SINCE AUGUST, 1989.**PRESENT ACTIVITIES :** DEVELOPMENT OF NEW MATERIALS USING POLYMERS & NATURAL FIBRES AND SYNTHETIC FIBRES.**LANGUAGES :** HINDI, ENGLISH, GERMAN.**VISITED :** U.K. PUBLICATIONS & PATENTS: RES. PAPERS - 100, PATENTS TAKEN - 1, PATENTS FILED - 1, PROCESSES DEVELOPED - 1, TECH. REPORTS - 3.**PROFESSIONAL EXPERIENCE(IN YEARS) :** BASIC RES. - 14, APP. RES. - 14, R & D MGMT. - 10, CONSULTANCY - 2, TESTING - 14.

7587

DR NAVIN CHANDRA; (B. JULY 10, 1952),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. - LUCKNOW '69; M.SC. CHEMISTRY - 71; PH.D. CHEMISTRY - B.H.U. '74.

SPECIALIZATIONS : ELECTROCHEMISTRY; ELECTROANALYSIS; CORROSION AND METAL FINISHING; MINERAL CHEMISTRY.

EXPERIENCE : POST DOCTORAL FELLOW, C.E.C.R.I., KARAIKUDI 1975-77; CHEMIST, ROURKELA STEEL PLANT, 1977-78; SCIENTIST B AND SCIENTIST C, C.F.C.R.I., 1978-87; (ALSO VISITING SCIENTIST, UNIVERSITY OF TEXAS AT AUSTIN, 1984-85); SCIENTIST EI, R.R.L., BHOPAL SINCE MARCH, 1987.

PRESENT ACTIVITIES : RESEARCH IN ELECTROCHEMISTRY AND MINERAL CHEMISTRY.

LANGUAGES : HINDI, ENGLISH.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 20, TECH. REPORTS - 2, ARTICLES - 4, PATENTS TAKEN - 1, PATENTS FILED - 3, PROCESSES DEVELOPED - 3.

AWARDS & DISTINCTIONS : RAMACHAR AWARD FOR BEST PAPER, ELECTROCHEMICAL SOCIETY OF INDIA, 1982; NRDC AWARD FOR DEVELOPMENT OF Cu^{2+} , Ag^{+} AND Cl^{-} ION SENSITIVE ELECTRODES 1985.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 16, APP. RES. - 13, TECHNICAL DIV. - 13, TESTING - 1, QUALITY CONTROL - 1, EDITING - 1.

7588

SHRI PRAMOD DINKAR EKBOTE; (B. OCTOBER 24, 1953),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - NAGPUR '76; D.I.M. INDUSTRIAL MANAGEMENT - NAGPUR '79; M.E. EXTRACTIVE METALLURGY - NAGPUR '80; CERTIFICATE IN GERMAN LANGUAGES - NAGPUR '73.

SPECIALIZATIONS : CHEMICAL ENGINEERING; METALLURGY.

EXPERIENCE : S.S.A., R.R.L., TRIVANDRUM, 1979-81; SCIENTIST B AND SCIENTIST C, R.R.L., BHOPAL 1981-91; SCIENTIST EI, R.R.L., BHOPAL SINCE FEBRUARY, 1991.

PRESENT ACTIVITIES : R & D MANAGEMENT, PROCESS DEVELOPMENT.

LANGUAGES : MARATHI, HINDI, MALAYALAM, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPERS - 4, BOOK REVIEWS - 1, BOOK EDITED - 1.

PROFESSIONAL EXPERIENCE (IN YEARS) : CONSULTANCY, R & D MGMT., SURVEY OF NATURAL RESOURCES, TECHNO-ECONOMIC SURVEYS, PLANNING AND EDITING - (TOTAL: 8 YEARS).

7589

SHRI K K S GAUTAM; (B. NOVEMBER 3, 1947),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.E. ELECTRICAL ENGINEERING - RAVISHANKAR '71; M.TECH. HEAVY ELECTRICAL EQUIPMENT - BHOPAL '86.

SPECIALIZATIONS : BIOMEDICAL ELECTRONIC EQUIPMENT

EXPERIENCE : J.T.A., S.T.A. AND SCIENTIST B, C.S.I.O., 1972-83; (ALSO TRAINING IN BIOMEDICAL ELECTRONICS EQUIPMENT UNDER UNIDO PROGRAMME, BUDAPESI, HUNGARY 1978); SCIENTIST B AND SCIENTIST C, R.R.L., BHOPAL 1983-90; SCIENTIST EI, R.R.L., BHOPAL SINCE APRIL, 1990; (ALSO TRAINING IN SCANNING ELECTRON MICROSCOPE & DDS AT M/S JEOL LTD., TOKYO, JAPAN).

PRESENT ACTIVITIES : SERVICE & MAINTENANCE OF ELECTRONICS AND ELECTRICAL EQUIPMENT.

LANGUAGES : HINDI, SANSKRIT, ENGLISH.

VISITED : HUNGARY, JAPAN.

PROFESSIONAL EXPERIENCE (IN YEARS) : OPERATION - 14, TESTING - 14, MAINTENANCE - 14, PURCHASING - 6, ADMN. - 6.

7590

DR C B RAJU; (B. JUNE 1, 1950),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. - ANDHRA '69; M.SC. ANALYTICAL CHEMISTRY - ANDHRA '71; PH.D. GLASS CERAMICS - LVOV POLYTECHNIC INSTITUTE, USSR '81; M.I.I. CERAM.

SPECIALIZATIONS : GLASS CERAMICS; CHEMICAL ANALYSIS; MINERALS.

EXPERIENCE : ASSTT. CHEMIST, ASSOCIATED GLASS INDUSTRIES, HYDERABAD 1972-73; LAB-IN-CHARGE, VITRUM GLASS DIV., EMPIRE INDUSTRIES LTD., BOMBAY, 1973-77; RESEARCH SCHOLAR AND POSTDOCTORAL FELLOW, LVOV POLYTECHNIC INSTITUTE, USSR, 1977-82; POOL OFFICER AND SCIENTIST C, R.R.L., BHOPAL 1982-88; SCIENTIST EI, R.R.L., BHOPAL SINCE AUGUST 1988.

PRESENT ACTIVITIES : R & D IN CERAMIC MATERIALS AND MINERALS.

LANGUAGES : TELUGU, HINDI, ENGLISH, RUSSIAN.

VISITED : U.S.S.R.

PUBLICATIONS & PATENTS : RES. PAPERS - 16, TECH. REPORTS - 4, ARTICLES - 1, PATENTS TAKEN - 4.

PROFESSIONAL EXPERIENCE (IN YEARS) : BASIC RES. - 3, APP. RES. - 6, QUALITY CONTROL - 6.

7591

DR RAM NARAYAN YADAVA; (B. DECEMBER 2, 1947),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. - GORAKHPUR '68; M.SC. MATHEMATICS - B.H.U. '70; PH.D. FRACTURE MECHANICS - I.I.T., BOMBAY '75.

SPECIALIZATIONS : APPLIED MATHEMATICS; R & D MANAGEMENT; FRACTURE MECHANICS; COMPUTATIONAL ANALYSIS.

EXPERIENCE : S.S.A., C.S.I.R., NEW DELHI 1976-78; SCIENTIST B AND SCIENTIST C, R.R.L., TRIVANDRUM 1978-81; SCIENTIST C, R.R.L., BHOPAL 1981-86; SCIENTIST EI, R.R.L., BHOPAL SINCE OCTOBER, 1986.

PRESENT ACTIVITIES : R & D; MANAGEMENT AND PLANNING.

LANGUAGES : HINDI, ENGLISH, GERMAN.

PUBLICATIONS & PATENTS : RES. PAPER - 20, TECH. REPORTS - 4.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 15, APP. RES. - 10, R & D MANAGEMENT - 10, TEACHING - 5, PLANNING - 10, ADMN. - 5, COMPUTER PROCESSING - 10.

7592

DR A H YEGNESWARAN; (B. APRIL 20, 1949),

SCIENTIST EI, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.E. METALLURGY - MADRAS '72; M.E. METALLURGY - I.I.S.C., BANGALORE '74; PH.D. METALLURGY - I.I.S.C., BANGALORE '79.

SPECIALIZATIONS : MECHANICAL METALLURGY; COMPOSITE MATERIALS; DEFORMATION AND TEXTURE.

EXPERIENCE : RESEARCH ASSTT., I.I.S.C., BANGALORE 1978-79; ASSTT. PROFESSOR, P.S.G. COLLEGE OF TECH., COIMBATORE, 1979; POSTDOCTORAL RESEARCH, UNIV OF MANITOBA, CANADA 1980-83; SCIENTIST C, R.R.L., BHOPAL 1983-88; SCIENTIST EI, R.R.L., BHOPAL SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH IN MATERIALS AND METALLURGY.

LANGUAGES : TAMIL, HINDI, KANNADA, ENGLISH.

VISITED : CANADA.

PUBLICATIONS & PATENTS : RES. PAPERS - 25, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 10, APP. RES. - 4, DESIGN - 3, CONSULTANCY - 1, TESTING - 3, PLANNING - 1, COMPUTER PROCESSING - 2.

7593

DR S S AMRITPHALE; (B. OCTOBER 5, 1957),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. - VIKRAM '76; M.SC. CHEMISTRY - VIKRAM, UJJAN, '78; PH.D. APPL. CHEMISTRY - BARKATULLAH, BHOPAL '90.

SPECIALIZATIONS : APPLIED CHEMISTRY; ELECTRO-CHEMISTRY; CERAMICS & MINERALS.

EXPERIENCE : ASSTT. CHEMIST, JOHNSON PEDDER (P) LTD. DEWAS (M.P.) 1979-80; CHEMIST, GAJRA BEVEL GEAR LTD. DEWAS (M.P.) 1980; J.S.A. & S.S.A., C.E.C.R.I., 1980-82; SCIENTIST B, R.R.L., BHOPAL 1982-90; SCIENTIST C, R.R.L., BHOPAL SINCE FEBRUARY, 1990.

PRESENT ACTIVITIES : CERAMIC & MINERALS.

LANGUAGES : MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 12, PATENTS TAKEN - 1, PATENTS FILED - 4, PROCESSES DEVELOPED - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 11, TESTING, QUALITY CONTROL, MAINTENANCE, PRODUCTION - (TOTAL: 2 YEARS).

7594

SHRI J P BARNWAL; (B. JANUARY 1, 1957),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : DIPLOMA IN INSTRUMENT TECHNOLOGY - ISTC/CSIO, CHANDIGARH '75; AMIE MECHANICAL

ENGINEERING - CALCUTTA '84; POST GRADUATE DIPLOMA MINERAL ENGINEERING - DHANBAD '85; M.TECH. MINERAL ENGINEERING - DHANBAD '86.

SPECIALIZATIONS : MINERAL PROCESSING; COAL PREPARATION.

EXPERIENCE : RESEARCH ASSTT., I.I.T., KANPUR 1976-77; TECH. ASSTT., SR. TECH. ASSTT. AND LECTURER, INDIAN SCHOOL OF MINES, DHANBAD, 1977-90; SCIENTIST C, R.R.L., BHOPAL SINCE JULY, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH IN MINERAL ENGINEERING.

LANGUAGES : HINDI, ENGLISH, BENGALI.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 9.

PROFESSIONAL EXPERIENCE(IN YEARS) : TEACHING - 3, APP. RES. - 6.

7595

SHRI S DAS; (B. FEBRUARY 1, 1957),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC.(ENGG) METALLURGICAL - RANCHI '80; M.TECH. METALLURGICAL ENGG. - I.I.T., KANPUR '83; PH.D. METALLURGICAL ENGG. - I.I.T., KANPUR '87.

SPECIALIZATIONS : SOLIDIFICATION; METAL-MATRIX COMPOSITES; TRIBOLOGY.

EXPERIENCE : RESEARCH OFFICER AND SCIENTIST B, R.R.L., BHOPAL 1983-88; SCIENTIST C, R.R.L., BHOPAL SINCE SEPTEMBER, 1988.

PRESENT ACTIVITIES : R & D IN MATERIALS SCIENCE.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 24.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 8, APP. RES. - 8, TESTING - 6, MAINTENANCE - 4.

7596

SHRI B GOVINDARAJAN; (B. JUNE 4, 1965),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.TECH. CHEMICAL ENGINEERING - ANNA '86; M.TECH. CHEMICAL ENGINEERING - I.I.T., MADRAS '89.

SPECIALIZATIONS : COAL PREPARATION; COMPUTER MODELLING AND SIMULATION; MINERAL BENEFICIATION; PROCESS CONTROL.

EXPERIENCE : LECTURER, INDIAN SCHOOL OF MINES, DHANBAD 1988-90; SCIENTIST C, R.R.L., BHOPAL SINCE JUNE, 1990.

PRESENT ACTIVITIES : APPLIED RESEARCH AND BASIC RESEARCH IN MINERAL ENGINEERING.

LANGUAGES : TAMIL, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, TEACHING - 2, APP. RES. - 4, CONSULTANCY - 3.

7597

SHRI A K GUPTA; (B. JULY 31, 1952),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.TECH. METALLURGY - B.H.U. '75;
M.TECH. METALLURGY - RANCHI '78.**SPECIALIZATIONS :** FERROUS METALLURGY; FOUNDRY METALLURGY; PARTICULATE COMPOSITES; ALLOYS DEVELOPMENT.**EXPERIENCE :** LECTURER, B.H.U. 1982-84; SCIENTIST B, R.R.L., BHOPAL 1985-90; SCIENTIST C, R.R.L., BHOPAL SINCE SEPTEMBER, 1990.**PRESENT ACTIVITIES :** R & D IN PARTICULATE COMPOSITES AND ITS PROPERTIES CHARACTERISATION AND CONSULTANCY.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 13, TECH. REPORTS - 1, PATENTS FILED - 2, PROCESSES DEVELOPED - 2, PROCESSES UNDER UTILISATION - 1.**PROFESSIONAL EXPERIENCE (IN YEARS) :** APP. RES., CONSULTANCY AND TEACHING - (TOTAL: 9 YEARS).

7598

SHRI AMOL KUMAR JHA; (B. JANUARY 5, 1956),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. ENGG. METALLURGY - RANCHI '80; M.TECH. POWDER METALLURGY - I.I.T., KANPUR '82; PH.D. METALLURGY - I.I.T., KANPUR '88.**SPECIALIZATIONS :** FOUNDRY METALLURGY; POWDER METALLURGY; COMPOSITE MATERIALS.**EXPERIENCE :** SCIENTIST B, R.R.L., BHOPAL 1983-88; SCIENTIST C, R.R.L., BHOPAL SINCE OCTOBER, 1988.**PRESENT ACTIVITIES :** R & D IN METALLURGY.**LANGUAGES :** HINDI, BENGALI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 21.**PROFESSIONAL EXPERIENCE (IN YEARS) :** BASIC RES., APP. RES. AND TECH. DIV. - (TOTAL: 10 YEARS).

7599

SHRI O P MODI; (B. JANUARY 25, 1956),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC.(ENGG) METALLURGY - RANCHI '80; M.TECH. METALLURGY - I.I.T., KANPUR '83.**SPECIALIZATIONS :** THERMOMECHANICAL PROCESSING; COMPOSITE MATERIALS. QUANTITATIVE METALLOGRAPHY; PHYSICAL METALLURGY.**EXPERIENCE :** SCIENTIST B, R.R.L., BHOPAL 1983-88; SCIENTIST C, R.R.L., BHOPAL SINCE SEPTEMBER, 1988.**PRESENT ACTIVITIES :** R & D IN METAL MATRIX COMPOSITES.**LANGUAGES :** HINDI, ENGLISH.**PUBLICATIONS & PATENTS :** RES. PAPERS - 9, TECH. REPORTS - 4.**PROFESSIONAL EXPERIENCE (IN YEARS) :** APP. RES. - 4.

7600

SHRI L CHANDRA MOHAN; (B. SEPTEMBER 18, 1948),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.E. METALLURGY - OSMANIA '72.**SPECIALIZATIONS :** METALLURGY; FOUNDRY METALLURGY.**EXPERIENCE :** JR. MANAGER AND ASSTT. MANAGER, BOKARO STEEL PLANT, BOKARO 1973-78; MANAGER, BHARAT EARTH MOVERS LTD., 1983-87; SCIENTIST C, R.R.L., BHOPAL SINCE APRIL, 1987.**PRESENT ACTIVITIES :** RESEARCH IN FOUNDRY.**LANGUAGES :** KANNADA, HINDI, TAMIL, ENGLISH.**PUBLICATIONS & PATENTS :** ARTICLES - 3, PROCESSES DEVELOPED - 3.**PROFESSIONAL EXPERIENCE (IN YEARS) :** TECHNICAL DIV. - 10, QUALITY CONTROL - 4, PRODUCTION - 14, PLANNING - 10, SALES MARKETING - 4.

7601

DR M V R L MURTHY; (B. JANUARY 2, 1960),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. GEOLOGY - ANDHRA '80; M.TECH. APPLIED GEOLOGY - ROORKEE '83; PH.D. CIVIL ENGINEERING - I.I.T., KANPUR '90.**SPECIALIZATIONS :** GROUND WATER MODELLING; NUMERICAL COMPUTATION; DATA PROCESSING; IMAGE PROCESSING.**EXPERIENCE :** RES. ASSOCIATE AND SR. RES. ASSOCIATE, I.I.T., KANPUR 1989-90; FELLOW, R.R.L., BHOPAL 1990; SCIENTIST C, R.R.L., BHOPAL SINCE OCTOBER, 1990.**PRESENT ACTIVITIES :** APPLIED RESEARCH, WATER RESEARCH MANAGEMENT.**LANGUAGES :** TELUGU, ENGLISH, HINDI.**PUBLICATIONS & PATENTS :** RES. PAPERS - 1.**PROFESSIONAL EXPERIENCE (IN YEARS) :** TEACHING - 2, EDITING - 2, APP. RES. - 10, OPERATION - 10, SURVEY OF NAT. RESOURCES - 10, DOCUMENTATION - 3, PLANNING - 1, COMPUTER PROCESSING - 6, R & D MGMT. - 1.

7602

SHRI S P NARAYAN; (B. SEPTEMBER 3, 1953),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC.(HONS.) PHYSICS - BIHAR '71; A.M.I.I.M. METALLURGY - CALCUTTA '80; M.SC (ENGG.) PROCESS MET. - RANCHI '89; PH.D. METALLURGY - I.I.S.C., BANGALORE '90.**SPECIALIZATIONS :** SOFT MAGNETIC MATERIALS; HIGH-ENERGY MAGNETS; MAGNETIC MATERIAL TESTING; COMPOSITE MATERIALS.**EXPERIENCE :** S.L.A., N.M.L., JAMSHED PUR, 1974-80; S.T.A., UNIV. OF HYDERABAD, 1980-81; SUPDT. T.P.I., MADRAS 1981-83; SUPDT. T.C.I.L., TATA 1983-87; SCIENTIST C, R.R.L., BHOPAL SINCE MAY 1987.**PRESENT ACTIVITIES :** RESEARCH IN MAGNETIC MATERIALS AND COMPOSITES.

LANGUAGES : HINDI, ENGLISH, BENGALI.

VISITED : U S A

PUBLICATIONS & PATENTS : RES. PAPERS - 14, TECH. REPORTS - 7, JOURNALS - 11, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 5, PROCESS UNDER UTILISATION - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 7, DESIGN - 0.5, TESTING - 3, TECH. DEV. - 2, QUALITY CONTROL - 1, CONSULTANCY - 0.5, PRODUCTION - 3.

7603

DR D P PATIL; (B. AUGUST 1, 1956),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : M.A.SC. MINERAL PROCESSING - GULBARGA '82; M.SC. (ENGG.) MINERAL PROCESSING - I.I.SC., BANGALORE '86; PH.D. CHEMICAL ENGINEERING - MONASH, AUSTRALIA '91.

SPECIALIZATIONS : FLOTATION FLOCCULATION AND MATHEMATICAL MODELLING.

EXPERIENCE : TUTOR, MONASH UNIV., AUSTRALIA 1986-91; SCIENTIST C, R.R.L., BHOPAL SINCE MARCH, 1991.

LANGUAGES : KANNADA, HINDI, ENGLISH.

7604

SHRI B K PRASAD; (B. JANUARY 24, 1956),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC.(ENGG) METALLURGY - RANCHI '81; M.TECH. METALLURGICAL ENGINEERING - I.I.T., KANPUR '83.

SPECIALIZATIONS : PHYSICAL METALLURGY; FOUNDRY METALLURGY; QUANTITATIVE METALLOGRAPHY.

EXPERIENCE : RESEARCH OFFICER, R.R.L., BHOPAL 1983-84; LECTURER, R.E.C., DURGAPUR 1984-85; SCIENTIST B, R.R.L., BHOPAL 1985-90; SCIENTIST C, R.R.L., BHOPAL SINCE NOVEMBER, 1990.

PRESENT ACTIVITIES : TRIBOLOGY, FOUNDRY, HEAT TREATMENT AND QUANTITATIVE ANALYSIS.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS) : APP. RES. - 3, TEACHING - 1.

7605

DR(MISS) MOHINI SAXENA; (B. SEPTEMBER 8, 1950),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. - VIKRAM '68; M.SC. PHYSICAL CHEMISTRY - BHOPAL '71; PH.D. APPL. CHEMISTRY - BHOPAL '80.

SPECIALIZATIONS : ELECTRO ANALYTICAL TECHNIQUES; CORROSION SURFACE FINISHING; POLYMER COMPOSITES; ALTERNATE BUILDING MATERIALS.

EXPERIENCE : R.A. AND SCIENTIST B, R.R.L., BHOPAL 1982-90; SCIENTIST C, R.R.L., BHOPAL SINCE SEPTEMBER, 1990.

PRESENT ACTIVITIES : DEV. OF ALTERNATE BUILDING MATERIALS; R&D IN THE FIELD OF ELECTROCHEMISTRY.

LANGUAGES : HINDI, ENGLISH, SANSKRIT.

VISITED : U.K.

PUBLICATIONS & PATENTS : RES. PAPERS - 32, TECH. REPORTS - 10, PATENTS TAKEN - 2, PROCESSES DEVELOPED - 2, ARTICLE - 4.

AWARDS & DISTINCTIONS : BEST PAPER AWARD BY NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS, DELHI FOR DEV. OF ALTERNATE BUILDING MATERIALS 1991; NATIONAL SECRETARY OF INTERNATIONAL SOCIETY OF ELECTROCHEMISTRY.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 20, TEACHING - 7, APP. RES. - 10.

7606

SHRI R S SOLANKI; (B. SEPTEMBER 26, 1954),

SCIENTIST C, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. - BHOPAL '75; M.SC. (ENGG.) PRODUCTION ENGINEERING - SLOVAK TECH. UNIV., CZECHOSLOVAKIA '81.

SPECIALIZATIONS : WELDING TECHNOLOGY; SHIP BUILDING INDUSTRIES.

EXPERIENCE : ASST. SCIENTIST, SLOVAK TECH. UNIVERSITY, CZECHOSLOVAKIA, 1979-81; SR. ENGINEER, SPUNDISH ENGR. LTD., NEW BOMBAY 1982-83; SR. ENGINEER, SPUNDISH ENGR. LTD., BOMBAY 1983-87; SCIENTIST C, R.R.L., BHOPAL SINCE JUNE, 1987.

PRESENT ACTIVITIES : R & D IN WELDING TECHNOLOGY.

LANGUAGES : HINDI, ENGLISH, SLOVAK, CZECH, GERMAN, RUSSIAN.

VISITED : CZECHOSLOVAKIA.

PUBLICATIONS & PATENTS : ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, PRODUCTION - 4, PLANNING - 1.

7607

SHRI R S AHIRWAR; (B. NOVEMBER 11, 1963),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - JABALPUR '86.

SPECIALIZATIONS : CIVIL ENGINEERING.

EXPERIENCE : SCIENTIST B, R.R.L., BHOPAL SINCE FEBRUARY, 1992.

PRESENT ACTIVITIES : BASIC RESEARCH IN RUD MUD CEMENTITIOUS BINDER.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 1, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RESEARCH - 1, CONSTRUCTION - 3, DESIGN - 1, TESTING - 1.

7608

SHRI P ASOKAN; (B. MAY 1, 1967),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - ANNAMALAI '89.

SPECIALIZATIONS : ENVIRONMENTAL AND PUBLIC HEALTH ENGINEERING.

EXPERIENCE : PROJECT ASSTT., ANNAMALAI UNIVERSITY 1989-90; SR. TECH. ASSTT., CLRI (CSIR), MADRAS 1990-92; SCIENTIST B, R.R.L., BHOPAL SINCE MARCH, 1992.

LANGUAGES : TAMIL, ENGLISH, HINDI, TELUGU.

7609

SHRI K UDAYA BHASKAR; (B. JUNE 7, 1966),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. MINERAL BENEFICIATION - ANDHRA '86; M.A.SC. MINERAL PROCESSING - GULBERGA '90.

SPECIALIZATIONS : FLOTATION OF MINERALS AND COAL; GRAVITY CONCENTRATION.

EXPERIENCE : SCIENTIST B, R.R.L., BHOPAL SINCE MAY, 1992.

LANGUAGES : TELUGU, HINDI, ENGLISH.

7610

MISS RUPA DASGUPTA; (B. SEPTEMBER 13, 1958),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC.(HONS) - RANCHI '80; M.SC. PHYSICS - RANCHI '83.

SPECIALIZATIONS : X-RAY CRYSTALLOGRAPHY; PHYSICAL METALLURGY; TRIBOLOGY.

EXPERIENCE : SCIENTIST B, R.R.L., BHOPAL SINCE APRIL, 1988.

PRESENT ACTIVITIES : RESEARCH.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 4.

7611

SHRI S A R HASHMI; (B. JUNE 25, 1962),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. - KANPUR '80; B.TECH. CHEM. ENGG. - H.B.T.J., KANPUR '83; M.TECH. PLASTICS - H.B.T.I., KANPUR '87.

SPECIALIZATIONS : PROCESSING OF PLASTICS; FIBRE AND FIBRE COMPOSITES; POLYMER BLENDS.

EXPERIENCE : G.E.T., ASSTT. ENGINEER AND PROCESS ENGINEER, M.P.U.P.L., BHOPAL 1984-88; SCIENTIST B, R.R.L., BHOPAL SINCE APRIL, 1988.

PRESENT ACTIVITIES : R & D.

LANGUAGES : URDU, HINDI, ENGLISH.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 2, APP. RES. - 2, TECH. DEV. - 1, R & D MGMT. - 1, OPERATION - 3, TESTING - 2, QUALITY CONTROL - 2, PRODUCTION - 3, IND. MGMT. - 1, PLANNING - 1, ADMN. - 1.

7612

SHRI A K MAJUMDAR; (B. JANUARY 22, 1965),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.E. METALLURGY - BURDWAN '86; M.TECH. MINERAL ENGINEERING - INDIAN SCHOOL OF MINES, DHANBAD '88.

SPECIALIZATIONS : PYROMETALLURGY; HYDROMETALLURGICAL BENEFICIATION; ORE DRESSING; KINETICS OF METALLURGICAL PROCESSES.

EXPERIENCE : J.R.F., INDIAN SCHOOL OF MINES, DHANBAD 1987-90; SCIENTIST B, R.R.L., BHOPAL SINCE AUGUST 1990.

PRESENT ACTIVITIES : BASIC & APPLIED RESEARCH IN EXTRACTIVE METALLURGY.

LANGUAGES : BENGALI, ENGLISH, HINDI.

PUBLICATIONS & PATENTS : RES. PAPERS - 3, TECH. REPORTS - 5.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 1.

7613

MRS ALKA N MESHRAM; (B. JULY 1, 1962),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.SC. - NAGPUR '83; M.SC. PHYSICAL CHEMISTRY - NAGPUR '85; B.ED. - NAGPUR '87.

SPECIALIZATIONS : PHYSICAL CHEMISTRY.

EXPERIENCE : SCIENTIST B, R.R.L., BHOPAL SINCE NOVEMBER, 1989.

PRESENT ACTIVITIES : R & D WORK.

LANGUAGES : MARATHI, HINDI, BENGALI.

7614

SHRI DEHIPADA MONDAL; (B. JULY 20, 1964),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

7615

SHRI RAJESH KUMAR MORCHALE; (B. OCTOBER 20, 1962),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - BHOPAL '85; M.TECH. FOUNDATION ENGINEERING - BHOPAL '87.

SPECIALIZATIONS : CIVIL ENGINEERING & CONSTRUCTION TECHNOLOGY; BUILDING MATERIALS DEVELOPMENT.

EXPERIENCE : J.R.F. AND S.R.F., R.R.L., BHOPAL 1985-88; SCIENTIST B, R.R.L., BHOPAL SINCE MARCH, 1988.

PRESENT ACTIVITIES : RESEARCH & DEVELOPMENT, CIVIL CONSTRUCTION & BUILDING.

LANGUAGES : HINDI, ENGLISH.

PUBLICATIONS & PATENTS : PATENTS TAKEN - 1, PROCESSES DEVELOPED - 1.

AWARDS & DISTINCTIONS : BEST PAPER AWARD BY NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERI-

ALS, NEW DELHI FOR DEV OF NEW BUILDING MATERIALS 1991.

PROFESSIONAL EXPERIENCE(IN YEARS): BASIC RES. - 8, CONSTRUCTION - 8, APP. RES. - 8, DESIGN - 8.

7616

SHRI V S MUNESHWAR; (B. MARCH 22, 1949),
SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHQPAL.

QUALIFICATIONS: B.SC - MARATHWADA '73; A.M.I.I.M. METALLURGY - INDIAN INSTITUTE OF METALS, CALCUTTA '84.

SPECIALIZATIONS: PHYSICAL AND METALLURGICAL CHARACTERISATION OF ENGINEERING MATERIALS; STANDARDISATION OF EQUIPMENTS FOR MECHANICAL TESTING OF MATERIALS.

EXPERIENCE: QUALITY CONTROL ASSTT., CENTRON ALLOYS STEEL FOUNDRY, AURANGABAD, 1974; J.L.A., M.E.R.A.D.O., POONA, 1974-77; J.T.A. AND S.T.A., N.P.L., NEW DELHI, 1977-87; SCIENTIST B, R.R.L., BHOPAL SINCE JULY, 1987.

PRESENT ACTIVITIES: MATERIAL DEVELOPMENT AND MECHANICAL AND PHYSICAL CHARACTERISATION.

LANGUAGES: MARATHI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS: TECH. REPORTS - 1, ARTICLES - 1.

PROFESSIONAL EXPERIENCE(IN YEARS): APPL. RES. - 10, TESTING - 4, QUALITY CONTROL - 1.

7617

SHRI S P PATHAK; (B. JULY 15, 1952),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS: B.SC. - B.I.T.S., PILANI '72; M.SC. CHEMISTRY - B.I.T.S., PILANI '75.

SPECIALIZATIONS: CHEMICAL ANALYSIS; INSTRUMENTATION; ORGANIC CHEMISTRY.

EXPERIENCE: JR. AND SR. CHEMIST, BIHAR ALLOY STEELS LTD., PATRATU, 1975-88; SCIENTIST B, R.R.L., BHOPAL SINCE NOVEMBER, 1988

PRESENT ACTIVITIES: CHEMICAL ANALYSIS; INSTRUMENTAL ANALYSIS.

LANGUAGES: HINDI, ENGLISH.

PUBLICATIONS & PATENTS: INVESTIGATION REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS): OPERATION - 5, TESTING - 10, QUALITY CONTROL - 2.

7618

SHRI J PRABAKAR; (B. JANUARY 6, 1967),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS: DIPLOMA IN CIVIL ENGINEERING - TAMIL NADU '87; DEGREE IN CIVIL STRUCTURE - MADRAS '90.

SPECIALIZATIONS: BUILDING MATERIALS; LOW COST HOUSING.

EXPERIENCE: SCIENTIST B, R.R.L., BHOPAL SINCE MAY, 1988.

PRESENT ACTIVITIES: BASIC RESEARCH IN BUILDING MATERIAL.

LANGUAGES: TAMIL, ENGLISH, HINDI.

PUBLICATIONS & PATENTS: RES. PAPERS - 1, TECH. REPORTS - 3, PROCESS UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS): BASIC RES. - 2, CONSTRUCTION - 1, DESIGN - 1, MAINTENANCE - 1.

7619

SHRI MURARI PRASAD; (B. JULY 1, 1956),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS: B.SC.(ENGG) CHEMICAL - RANCHI '81; M.TECH. CHEMICAL - B.H.U. '84.

SPECIALIZATIONS: HEAT TRANSFER; COMBUSTION ENGINEERING.

EXPERIENCE: SCIENTIST B, R.R.L., BHOPAL SINCE MAY, 1988.

PRESENT ACTIVITIES: R & D.

LANGUAGES: HINDI, ENGLISH.

PUBLICATIONS & PATENTS: RES. PAPERS - 3.

PROFESSIONAL EXPERIENCE(IN YEARS): BASIC RES. - 4.

7620

SHRI L SANJEEVA RAO; (B. AUGUST 1, 1964),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS: B.SC. - ANDHRA '84; M.A.SC. MINERAL PROCESSING - CULBARGA '87; M.TECH. MINERAL ENGINEERING - INDIAN SCHOOL OF MINES '89.

SPECIALIZATIONS: MINERAL PROCESSING; COAL PREPARATION; MODELLING OF MINERAL PROCESSING UNIT OPERATION.

EXPERIENCE: G.E.T., INDIAN RARE EARTHS LTD. CHATRAPUR 1989-90; FELLOW, R.R.L., BHOPAL 1990; SCIENTIST B, R.R.L., BHOPAL SINCE APRIL, 1990.

PRESENT ACTIVITIES: BASIC AND APPLIED RESEARCH IN MINERAL ENGINEERING.

LANGUAGES: TELUGU, HINDI, KANNADA, ENGLISH.

PUBLICATIONS & PAPERS: RES. PAPERS - 4, TECH. REPORTS - 1.

PROFESSIONAL EXPERIENCE(IN YEARS): BASIC RES. 1, APP. RES. - 3.

7621

DR R K RAWLLEY; (B. MAY 31, 1958),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS: B.SC. - GURUKULA KANGRI '76; M.SC CHEMISTRY - ROORKEE '80; PH.D. CHEMISTRY - I.I.T., DELHI '86.

SPECIALIZATIONS: SYNTHESIS AND CHARACTERIZATION OF COMPOUNDS; DEVELOPMENT OF ANALYTICAL PROCUDRES; MINERALOGICAL STUDIES; HYDRO AND AGRO CUM HYDROMETALLURGICAL OPERATIONS.

EXPERIENCE: FELLOW OF CSIR, R.R.L., TRIVANDRUM 1986-87; SCIENTIST B, R.R.L., BHOPAL SINCE AUGUST 1987.

PRESENT ACTIVITIES : EXPLOITATION OF LEAN ORES/LITHERTO UNATTENDED MINERAL DEPOSITES.

LANGUAGES : HINDI, ENGLISH, PUNJABI.

PUBLICATIONS & PATENTS : RES. PAPERS - 9, PATENTS TAKEN - 5, PATENTS FILED CURRENTLY - 1, PROCESSES DEVELOPED - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES. - 5, APP. RES. - 6.

7622

DR(MRS) ARATI ROY; (B. MARCH 7, 1953),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : M.SC. APPLIED MATHS - BHOPAL '74; PH.D. APPLIED MATHS - BHOPAL '80. P.G DIPLOMA IN COMPUTER APPLICATION - CHANDIGARH '85.

SPECIALIZATIONS : SOFTWARE DEVELOPMENT; INTEGRAL EQUATIONS.

EXPERIENCE : LECTURER IN MATHS, GOVT. DEGREE COLLEGE, NARSINGH GARH (M.P) 1977-84; SCIENTIST B, INSTITUTE OF MICROBIAL TECHNOLOGY, CHANDIGARH, 1986-90; SCIENTIST B, R.R.L., BHOPAL SINCE APRIL, 1990.

PRESENT ACTIVITIES : SOFTWARE DEVELOPMENT.

LANGUAGES : BENGALI, HINDI, ENGLISH.

PUBLICATIONS & PATENTS : RES. PAPERS - 10.

PROFESSIONAL EXPERIENCE(IN YEARS) : TEACHING - 6, COMPUTER SOFTWARE - 5.

7623

SHRI V S SHRIMANTH; (B. JANUARY 14, 1959),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.E. CIVIL ENGINEERING - BANGALORE '86.

EXPERIENCE : SCIENTIST B, R.R.L., BHOPAL SINCE JANUARY, 1992.

PRESENT ACTIVITIES : BASIC RESEARCH IN BUILDING MATERIAL.

LANGUAGES : MARATHI, HINDI, ENGLISH, KANNADA.

PUBLICATIONS & PATENTS : TECH. REPORTS - 1, PROCESS UNDER UTILISATION - 1.

PROFESSIONAL EXPERIENCE(IN YEARS) : BASIC RES.

7624

SHRI A K SINGH; (B. NOVEMBER 1, 1964),

SCIENTIST B, REGIONAL RESEARCH LABORATORY, BHOPAL.

QUALIFICATIONS : B.TECH. METALLURGY - I.I.T., KANPUR '85.

SPECIALIZATIONS : COMPUTER APPLICATION IN METALLURGY; PHYSICAL METALLURGY; INDUSTRIAL METALLURGY; MATERIALS SCIENCE AND ENGINEERING.

EXPERIENCE : SCIENTIST B, R.R.L., BHOPAL SINCE MARCH, 1988.

PRESENT ACTIVITIES : R & D IN METALLURGY.

LANGUAGES : HINDI, ENGLISH, BENGALI.

PUBLICATIONS & PATENTS : RES. PAPERS - 2, TECH. REPORTS - 2.

PROFESSIONAL EXPERIENCE(IN YEARS) : CONSULTANCY - 1.

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DAS S K	TECHNICAL OFFICER (B)	6460
DAS S K	TECHNICAL OFFICER (A)	6535
DAS S K	TECHNICAL OFFICER (B)	7461
DAS SAIENDRA KUMAR	SCIENTIST EI	5602
DAS SAILESH RANJAN	SCIENTIST C	5642
DAS SAMAR	SCIENTIST C	5867
DAS SAMIR KUMAR	SCIENTIST EI	5603
DAS SUBIR KUMAR	SCIENTIST C	7419
DAS SUCHANDAN KUMAR	SCIENTIST C	5868
DAS SUDIPTA	SCIENTIST EII	7346
DAS SUKHEN	SCIENTIST B	5707
DAS SUNIL KUMAR	SCIENTIST EII	5587
DAS SUPATI PRASANNA	SCIENTIST EI	6288
DAS SURENDRA NATH	SCIENTIST EI	7380
DAS SURESH	SCIENTIST C	7526
DAS SWAPAN KUMAR	SCIENTIST C	5869
DAS T V K	TECHNICAL OFFICER (A)	6001
DAS U S	TECHNICAL OFFICER (A)	6002
DASGUPTA ACHINTYA	SCIENTIST EI	6042
DASGUPTA AMIT	SCIENTIST C	5643
DASGUPTA AMITAVA	SCIENTIST C	6087
DASGUPTA KAMAL	SCIENTIST EI	5604
DASGUPTA PRANAB	SCIENTIST C	5870
DASGUPTA RANJAN KUMAR	SCIENTIST C	6346
DASGUPTA RATNA	SCIENTIST C	7420
DASGUPTA RUPA	SCIENTIST B	7610
DASGUPTA S	SCIENTIST C	5323
DASGUPTA S	SCIENTIST EII	6261
DASGUPTA S P	SCIENTIST EI	5809
DASH HARIBANDHU	SCIENTIST C	7421
DASH P K	SCIENTIST EI	6806
DASH R R	SCIENTIST EI	5810
DASH SUKANTA K	SCIENTIST C	6347

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DASS BHAGWAN	SCIENTIST C	5324
DASS KALYAN	SCIENTIST EI	5278
DATTA ASISH KUMAR	SCIENTIST C	5871
DATTA P K	SCIENTIST C	6088
DATTA PARTHASARATHI	SCIENTIST EI	7381
DATTA SOMESWAR	SCIENTIST C	5644
DATTA UMA	SCIENTIST C	6348
DATTATREYA J K	SCIENTIST B	7262
DAVE S G	SCIENTIST C	5325
DAYAL DEEN	SCIENTIST C	5492
DAYANANDA G N	SCIENTIST B	7023
DE ASOK KUMAR	SCIENTIST C	5645
DE GOUTAM	SCIENTIST B	5708
DE P K	SCIENTIST B	5967
DEB AMITAVA	SCIENTIST EII	5245
DEB H C	TECHNICAL OFFICER (A)	6003
DEB SUKHENDU	SCIENTIST C	5646
DEBATA BIRA KISHORE	SCIENTIST C	7422
DEBNATH M C	TECHNICAL OFFICER (B)	6461
DEBNATH PRANESH CHANDRA	SCIENTIST C	6349
DEBNATH RADHABALLABH	SCIENTIST C	5647
DEBROY SUDIP KUMAR	SCIENTIST EI	7382
DEEP KUSUM	SCIENTIST C	5326
DESAI SHIVARAJ S	SCIENTIST F	6732
DESHBHRATAR P B	SCIENTIST B	6671
DESHKAR A M	SCIENTIST C	6604
DESHPANDE ASHOK WASUDEORAO	SCIENTIST EI	6564
DESHPANDE C V	SCIENTIST C	6605
DESHPANDE D G	TECHNICAL OFFICER (A)	6719
DESHPANDE M D	SCIENTIST EII	6764
DESHPANDE S D	SCIENTIST C	6606
DESHPANDE SURESH V	SCIENTIST B	6672
DESHPANDE V A	SCIENTIST C	6607
DESHPANDE V P	SCIENTIST C	6608
DESIKAN K S	SCIENTIST F	6733
DEV ARJUN	SCIENTIST CI	5872
DEV SHAIENDRA CHANDRA	SCIENTIST C	5873
DEVI S USHA	SCIENTIST EI	6909
DEY A K	SCIENTIST B	6289
DEY ARUN KUMAR	SCIENTIST C	5968
DEY BISWANATH	SCIENTIST C	5327
DEY D C	TECHNICAL OFFICER (A)	5648
DEY DILIP KUMAR		7480

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DEY DIPENDRA NARAYAN	SCIENTIST F	7339
DEY N	TECHNICAL OFFICER (B)	6462
DHABAL R L	SCIENTIST C	5328
DHAGE S S	SCIENTIST C	6609
DHAL NABIN KUMAR	SCIENTIST B	7462
DHANALAKSHMI K	SCIENTIST C	6910
DHANASEKARAN P C	SCIENTIST C	7226
DHANIKUMAR M S	SCIENTIST C	6911
DHAR B B	DIRECTOR	6016
DHAR GOUTAM	SCIENTIST B	6158
DHARANEEPATHY M V	SCIENTIST EI	7204
DHARGUPTA KAJAL KUMAR	SCIENTIST C	5649
DHARMADHIKARI D M	SCIENTIST C	6610
DHARMARAJU R	SCIENTIST B	5399
DHAWAN P K	SCIENTIST EII	5455
DHILLON B S	SCIENTIST B	6673
DHILLON KARTAR SINGH	SCIENTIST CI	6912
DHONE S N	SCIENTIST C	6611
DHOPTÉ S M	SCIENTIST B	6674
DHUPAR M P	SCIENTIST EI	6290
DILLI K	SCIENTIST B	7263
DIMRI C P	TECHNICAL OFFICER (B)	6463
DIVAKAR C	SCIENTIST EI	6807
DJUGASH A C R	SCIENTIST EI	7205
DOLUI SWAPAN KUMAR	SCIENTIST B	5400
DUBE A K	SCIENTIST EII	6025
DUBEY B K	SCIENTIST C	6089
DUTT H N V	SCIENTIST C	6913
DUTT P S	SCIENTIST C	6612
DUTTA A B	SCIENTIST EI	6291
DUTTA A K	TECHNICAL OFFICER (A)	5738
DUTTA A K	SCIENTIST C	6090
DUTTA ASHOKE KUMAR	SCIENTIST B	5709
DUTTA BALA RAM	SCIENTIST C	5874
DUTTA DEBABRATA	SCIENTIST B	5969
DUTTA H P	SCIENTIST C	6091
DUTTA K C	TECHNICAL OFFICER (A)	6238
DUTTA M K	SCIENTIST B	6159
DUTTA M S	TECHNICAL OFFICER (B)	5710
DUTTA MANIK LAL	SCIENTIST EI	6292
DUTTA N B	TECHNICAL OFFICER (A)	6239
DUTTA PRODYOT KUMAR	SCIENTIST EI	6808
DUTTA R N	SCIENTIST B	5532

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DUTTA SARBARI	SCIENTIST B	6465
DUTTA VIMALA	SCIENTIST EI	6809
DUTTABANIK BANI	TECHNICAL OFFICER (A)	5739
DWARAKANATH G S	SCIENTIST EI	6810
DWARAKANATH K	SCIENTIST B	7024
DWIVEDI RAVINDRA NATH	SCIENTIST EI	5605
EASWARAN V	SCIENTIST EI	5279
EKBOTE PRAMOD DINKAR	SCIENTIST EI	7588
ELAMVAZHUTHI O	SCIENTIST B	7264
ELYAS S I	SCIENTIST B	6675
FAROOK MIR ABDUL	SCIENTIST B	7025
GADKARI ANURADHA S	SCIENTIST C	6613
GADKARI S KRISHNARAO	SCIENTIST EII	6555
GAHARWAR SANJAY SINGH	SCIENTIST B	7313
GAIKWAD S A	SCIENTIST C	6614
GAIKWARD A G	SCIENTIST B	7556
GAJGHATE D G	SCIENTIST B	6676
GALGALI R K	SCIENTIST EII	7347
GANAPATHY T V	SCIENTIST B	7265
GANDHI P	SCIENTIST B	7266
GANESH V S	SCIENTIST C	6914
GANGADAR SANTHI	SCIENTIST B	7267
GANGADHARAI AH G	SCIENTIST C	6915
GANGADHARAN C N	SCIENTIST B	7026
GANGADHARAN T K	SCIENTIST CI	5875
GANGOPADHAYAY S	SCIENTIST EI	5469
GANGOPADHYAY P K	SCIENTIST C	5329
GANGULI DIBYENDU	SCIENTIST EII	5588
GANGULI K K	SCIENTIST B	6160
GANGULY A K	SCIENTIST B	6677
GANGULY HIRENDRA KUMAR	SCIENTIST CI	6092
GANGULY NRIPENDRA NATH	SCIENTIST C	5876
GANGULY P K	TECHNICAL OFFICER (C)	6350
GANGULY R G	SCIENTIST EI	5811
GANGULY R M	TECHNICAL OFFICER (C)	6351
GANGULY R S	TECHNICAL OFFICER (B)	6466
GANGULY RAMMANI	TECHNICAL OFFICER (B)	6467
GANGULY RANJIT	SCIENTIST C	5330
GARDE H V	SCIENTIST A	6720
GARG B B	SCIENTIST EII	5246
GARG C L	SCIENTIST EI	6293
GARG K G	SCIENTIST C	5331

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GARG MRIDUL	SCIENTIST B	5401
GARG N K	SCIENTIST EI	5280
GARG PREM PRAKASH	PROJECT OFFICER (EI)	7300
GARG R K	SCIENTIST C	5332
GARG RAJEEV KUAMR	SCIENTIST B	7314
GARG S K	SCIENTIST C	5333
GARGA G P	DOCUMENTATION OFFICER (B)	5402
GAUR ASHUTOSH	SCIENTIST B	5970
GAUTAM D K	SCIENTIST C	5334
GAUTAM K K S	SCIENTIST EI	7589
GAVANE A G	SCIENTIST B	6678
GEETHALATHAI C DINAH	SCIENTIST EI	6811
GEHI L D	SCIENTIST C	6093
GHANEKAR V K	SCIENTIST EII	7296
GHARA BANESWAR	SCIENTIST C	6094
GHATAK SANKAR	SCIENTIST C	5650
GHOSAL SUNANDA	SCIENTIST C	5877
GHOSE BIRENDRA NATH	SCIENTIST C	5878
GHOSH A K	SCIENTIST A	5740
GHOSH A K	SCIENTIST EI	6043
GHOSH AJAY	SCIENTIST B	7557
GHOSH AMITABHA	SCIENTIST C	5651
GHOSH AMITAVA	SCIENTIST C	5335
GHOSH ARINDAM	SCIENTIST EI	6565
GHOSH ARUP	SCIENTIST C	5652
GHOSH ASHIM KUMAR	SCIENTIST B	6468
GHOSH B K	TECHNICAL OFFICER (C)	6352
GHOSH B N	SCIENTIST C	5653
GHOSH B N	TECHNICAL OFFICER (C)	6353
GHOSH BISHNUPADA	SCIENTIST C	5654
GHOSH BISWANATH	TECHNICAL OFFICER (B)	5533
GHOSH CHANDRA NATH	SCIENTIST B	6161
GHOSH DILIP KUMAR	TECHNICAL OFFICER (C)	6354
GHOSH JAGADISH CHANDRA	SCIENTIST EI	6044
GHOSH KAMAL CHANDRA	SCIENTIST EI	5812
GHOSH KRISHNA	SCIENTIST B	6162
GHOSH M K	SCIENTIST B	7463
GHOSH MANOHAR CHANDRA	TECHNICAL OFFICER (C)	6355
GHOSH NIRMALENDU	SCIENTIST EI	5813
GHOSH NITYA RANJAN	SCIENTIST AI	5741
GHOSH P R	TECHNICAL OFFICER (B)	6163
GHOSH PHULCHAND	SCIENTIST B	5971
GHOSH R K	TECHNICAL OFFICER (B)	5403

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GHOSH R N	SCIENTIST F	5764
GHOSH RANJAN	SCIENTIST B	6469
GHOSH S	TECHNICAL OFFICER (B)	6470
GHOSH S B	SCIENTIST C	5879
GHOSH S K	SCIENTIST EII	6262
GHOSH S K	TECHNICAL OFFICER (B)	6471
GHOSH S P	SCIENTIST B	6472
GHOSH SALIL KUMAR	SCIENTIST EI	6045
GHOSH SANDIP KUMAR	SCIENTIST C	6356
GHOSH SANJOY KUMAR	SCIENTIST EI	6046
GHOSH SHIB RANJAN	SCIENTIST EI	5814
GHOSH SUBINOY	SCIENTIST B	6164
GHOSH SUJIT KUMAR	TECHNICAL OFFICER (A)	5742
GHOSH SUKOMAL	SCIENTIST EI	5815
GHOSH SUMITA	SCIENTIST C	5655
GHOSH SWAPAN KUMAR	SCIENTIST B	7558
GHOSH T K	SCIENTIST C	6615
GHOSH UDAYA SANKAR	SCIENTIST B	6473
GHOSHAL JAGOTHARAN	SCIENTIST B	6474
GHOSHAL TARUN KUMAR	SCIENTIST C	5880
GIRIDHAR A	SCIENTIST EI	6812
GIRIGOSWAMI H	SCIENTIST EII	6765
GIRIRAJ C V	SCIENTIST AI	7148
GODBOLE ASHOK K	SCIENTIST C	6916
GODIWALLA KERSI MINOO	SCIENTIST EII	5775
GODSE P	TECHNICAL OFFICER (A)	7329
GOEL N K	TECHNICAL OFFICER (C)	5336
GOEL P N	SCIENTIST B	5534
GOEL R K	SCIENTIST B	5404
GOEL R P	SCIENTIST EI	5816
GOEL RAJENDRA P	SCIENTIST EII	5776
GOEL RAJNISH KUMAR	SCIENTIST C	5776
GOEL RAVINDER KUMAR	DOCTOR (EI)	6095
GOEL S K	SCIENTIST B	6095
GOGIA S K	SCIENTIST C	5281
GOLAY M S	SCIENTIST CI	6679
GOMATHINAYAGAM S	SCIENTIST C	7423
GOPALAKRISHNA V D	SCIENTIST CI	7423
GOPALAKRISHNAN M	SCIENTIST C	6096
GOPALAKRISHNAN N	SCIENTIST C	6096
GOPALAKRISHNAN P S	SCIENTIST EI	7227
GOPALAKRISHNAN S	SCIENTIST EII	6917
GOPALAKRISHNAN V	SCIENTIST B	7527

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GOPALAKRISHNAN V N	SCIENTIST C	7228
GOPALAN R	SCIENTIST EI	6814
GOPALKRISHNA P	SCIENTIST C	7424
GOPALKRISHNAN R	TECHNICAL OFFICER (A)	6004
GOPALRATNAM GIRIJA	SCIENTIST EI	6815
GOPINATH N	SCIENTIST C	6918
GOPINATH P R	SCIENTIST B	7028
GOPINATH R	SCIENTIST EII	6766
GOSWAMI MANIK CHANDRA	SCIENTIST C	5881
GOSWAMI NANI GOPAL	SCIENTIST C	5882
GOSWAMY S K	SCIENTIST EII	5247
GOVINDARAJAN B	SCIENTIST C	7596
GOVINDARAJAN RAMA	SCIENTIST C	6919
GOVINDARAJULU VELLORE	SCIENTIST EI	7501
GOWDA N A CHANNE	SCIENTIST BI	7029
GOYAL B K	SCIENTIST EII	7297
GOYAL J K	SCIENTIST B	7315
GRIPS V K WILLIAM	SCIENTIST EI	6816
GUDIPATI SRIDHAR	SCIENTIST C	5883
GUHA ASIM KUMAR	SCIENTIST C	5656
GUHA CHINIMA	SCIENTIST B	5972
GUMASTE J L	SCIENTIST EI	7383
GUNASEKARAN K	TECHNICAL OFFICER (A)	7291
GUPTA A	SCIENTIST EI	6047
GUPTA A	SCIENTIST EII	6556
GUPTA A K	SCIENTIST EI	5282
GUPTA A K	SCIENTIST C	7597
GUPTA AJAY KUMAR	SCIENTIST C	5337
GUPTA ANIL	SCIENTIST C	5657
GUPTA ASHA	SCIENTIST C	6097
GUPTA B S	SCIENTIST EI	5283
GUPTA D P	SCIENTIST C	5338
GUPTA INDARANI	SCIENTIST B	6680
GUPTA JWALA PRASAD	SCIENTIST B	6165
GUPTA KALYAN KUMAR	SCIENTIST EI	5817
GUPTA KASTURI	TECHNICAL OFFICER (A)	5743
GUPTA KAUSHAL KISHORE	SCIENTIST EI	5818
GUPTA M K	TECHNICAL OFFICER (A)	5744
GUPTA M L	TECHNICAL OFFICER (B)	5405
GUPTA M L	SCIENTIST EI	6048
GUPTA M L	TECHNICAL OFFICER (A)	6536
GUPTA MANORAMA	SCIENTIST B	5406
GUPTA P C	TECHNICAL OFFICER (C)	5339

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GUPTA P P	SCIENTIST C	5884
GUPTA PRAKASH CHANDRA	TECHNICAL OFFICER (A)	7330
GUPTA PREM KUMAR	SCIENTIST C	6098
GUPTA R G	SCIENTIST C	5340
GUPTA R K	SCIENTIST B	6681
GUPTA R L	SCIENTIST EI	5284
GUPTA R L	TECHNICAL OFFICER (B)	6475
GUPTA R N P	SCIENTIST C	5885
GUPTA RAMESH CHANDRA	LIBRARY OFFICER (C)	5341
GUPTA RUPINDER	SCIENTIST EII	5456
GUPTA S M	SCIENTIST C	6099
GUPTA S P	TECHNICAL OFFICER (EI)	5285
GUPTA S P	SCIENTIST EI	5470
GUPTA SAROJ	SCIENTIST C	5493
GUPTA SHASHI BAL	TECHNICAL OFFICER (B)	5407
GUPTA SUBIR KUMAR	SCIENTIST CI	6100
GUPTA SUNIL KUMAR	SCIENTIST B	5535
GUPTA SURAJIT	SCIENTIST C	5658
GUPTA T N	SCIENTIST G	5233
GUPTA V K	SCIENTIST EI	5286
GUPTA VIJAY KUMAR	SCIENTIST C	5342
GURUPRASAD S A	SCIENTIST C	6920
GURUVITTAL U K	SCIENTIST B	5536
HALAGERI S G	TECHNICAL OFFICER (A)	7149
HALDAR MANORANJAN	TECHNICAL OFFICER (C)	6357
HALDER NIHARENDU	TECHNICAL OFFICER (B)	5711
HALDER R C	TECHNICAL OFFICER (B)	6476
HANDA B K	SCIENTIST F	6552
HANDA S K	SCIENTIST C	5343
HANSDA KANHAI LAL	SCIENTIST B	5973
HAQ I	SCIENTIST C	5344
HARDYAL SINGH	DIRECTOR	6253
HARIDAS AJIT	SCIENTIST C	7529
HARIHARAN CHITRA M	SCIENTIST C	7229
HARIRAO SRINIVASA	SCIENTIST AI	7150
HASAN M Z	SCIENTIST EI	6566
HASHMI S A R	SCIENTIST B	7611
HAVANAGI VASANT G	SCIENTIST B	5537
HEGDE TIMMAPPA	SCIENTIST B	7268
HIRA B N	SCIENTIST EI	5287
HIRALAL E S	TECHNICAL OFFICER (EI)	5288
INDIRA N K	SCIENTIST C	6921
IRSHAD-UL-HAQUE C	SCIENTIST CI	6922

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ISAAC J J	SCIENTIST F	6734
ISLAM SIRAJUL	TECHNICAL OFFICER (C)	6358
ISMAIL SHAIK	SCIENTIST EI	6817
IYENGAR B R K	SCIENTIST CI	6923
IYENGAR R NARAYANA	DIRECTOR	5232
IYER B N	TECHNICAL OFFICER (B)	5408
IYER G V RAMA	SCIENTIST C	5886
IYER NAGESH RANGANATHA	SCIENTIST EI	7206
IYER S NEELAKANTA	SCIENTIST BI	7030
JADE SRIDEVI	SCIENTIST B	7031
JADEJA HALDHAR SINGH T	SCIENTIST EII	6263
JAGADHESHWARACHAR S P	SCIENTIST EI	6818
JAGANNATHAN R	SCIENTIST B	7559
JAGDISH	SCIENTIST B	6166
JAIKUMAR V R	SCIENTIST BI	7032
JAIN H K	TECHNICAL OFFICER (B)	5409
JAIN J P	SCIENTIST EII	5248
JAIN JAI PRAKASH	SCIENTIST C	5345
JAIN LALIT MOHAN	TECHNICAL OFFICER (B)	5410
JAIN M P	SCIENTIST EI	5289
JAIN P K	SCIENTIST EII	5457
JAIN PRAMOD KUMAR	SCIENTIST C	5494
JAIN S C	INFORMATION OFFICER (B)	5411
JAIN S K	SCIENTIST EI	5290
JAIN S K	SCIENTIST B	5412
JAIN SATYENDRA KUMAR	SCIENTIST C	5346
JAIN SULTAN SINGH	SCIENTIST C	5347
JAIN SUMER CHAND	SCIENTIST EI	6294
JAISINGH LATHIKA	SCIENTIST C	5348
JAISINGH M P	SCIENTIST EII	5249
JAISWAL R J	SCIENTIST C	6101
JAITLEY V K	SCIENTIST C	5495
JALEEL V ABDUL	SCIENTIST BI	7033
JAMES JOSE	SCIENTIST C	5887
JAMES M I	SCIENTIST C	6924
JAMUNA R	SCIENTIST B	7560
JANA RANAJIT KUMAR	SCIENTIST C	5888
JANBANDHU N V	SCIENTIST B	6682
JASH MANOJ KUMAR	SCIENTIST C	6359
JASH SHYAMA PADA	TECHNICAL OFFICER (C)	6360
JAURA GURDEV	SCIENTIST CI	5889
JAYABALOU R	SCIENTIST C	6616
JAYACHANDRAN C	SCIENTIST B	7034

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JAYACHANDRAN S ARUL	SCIENTIST B	7269
JAYADEV M	SCIENTIST EI	6295
JAYALAKSHMI A	SCIENTIST C	7530
JAYANIHI J	SCIENTIST B	7035
JAYANTH S	SCIENTIST B	6167
JAYAPRAKAS K C	SCIENTIST EI	6049
JAYARAJ J VICTOR	SCIENTIST CI	6925
JAYARAM K Y	SCIENTIST AI	7151
JAYARAM N	SCIENTIST EI	7207
JAYARAMAN M	SCIENTIST C	6926
JAYARAMAN R	SCIENTIST EI	7208
JAYARAMAN V	SCIENTIST EI	6819
JAYATHEERTHA C	SCIENTIST B	7036
JAYPRAKASH S	TECHNICAL OFFICER (A)	7577
JEEVAKUMAR Y J	SCIENTIST AI	7152
JENA BIRENDRA CHANDRA	SCIENTIST C	7425
JENA KEDAR NATH	SCIENTIST B	7464
JETHI A K	TECHNICAL OFFICER (B)	5413
JETHWA J L	SCIENTIST EII	6026
JEYABAL C	SCIENTIST B	6477
JHA AMOL KUMAR	SCIENTIST C	7598
JHA B B	SCIENTIST EI	6296
JHA DIWARKAR	SCIENTIST EI	5819
JHA RAKESH MOHAN	SCIENTIST EI	6820
JHA S N	SCIENTIST C	5890
JHANWAR J C	SCIENTIST B	6168
JHARIA ANOOP	SCIENTIST B	7037
JHIGAN J K	SCIENTIST B	5538
JHINGON V K	SCIENTIST EI	5820
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JOARDER ASHOK	SCIENTIST C	5891
JOHN V	SCIENTIST C	7531
JOSEPH G PAUL	SCIENTIST EI	7209
JOSHI NIRMALA S	SCIENTIST C	6617
JOSHI P N	SCIENTIST EII	6767
JOSHI PRASHANT	SCIENTIST B	5539
JOSHI S D	SCIENTIST B	6683
JOSHI S R	SCIENTIST EI	6567
JOSHI SUNIL CHANDRAKANT	SCIENTIST B	7038
JOSHI V A	SCIENTIST B	6684
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KALIA VIJAY K	SCIENTIST C	6361
KALIDAS V	SCIENTIST B	7039
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KALYANAM M	SCIENTIST EI	6821
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KANAGADURI B	SCIENTIST B	5540
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KANCHAN P K	SCIENTIST C	5496
KANKAL N C	SCIENTIST B	6685
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KANNAN D	SCIENTIST BI	7044
KANNAN R	SCIENTIST C	6929
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KANUNGO SUKRITI BHUSAN	SCIENTIST EII	7349
KAPLA MITTER SAIN	SCIENTIST EI	7301
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KAR SOMNATH	SCIENTIST CI	5892
KARAIL UJAGAR SINGH	SCIENTIST C	6362
KARAMKAR S N	TECHNICAL OFFICER (B)	5712
KARTHIK K	SCIENTIST B	7045
KARWANYUN SURENDRA NATH	SCIENTIST CI	6102
KASHYAP SUDHIR KUMAR	SCIENTIST B	6170
KATNAWER VINAYAK	SCIENTIST B	5541
KAUL S N	SCIENTIST EII	6557
KAUSHISH J P	SCIENTIST F	5236
KAYAL SULATA	SCIENTIST C	5497
KAYAL TARUN KUMAR	SCIENTIST B	5713
KELKAR P S	SCIENTIST C	6620
KELUKUTTY V S	SCIENTIST B	7561
KESARWANI S K	DOCUMENTATION OFFICER (EI)	6571
KHADAKKAR A G	SCIENTIST EI	7210

NAME	DESIGNATION	BIODATA NO
KHADAKKAR SHARAD NILAKANTHRAO	SCIENTIST C	6621
KHALID MOHD	SCIENTIST C	5350
KHAN ABDUL KALAM	TECHNICAL OFFICER (A)	7481
KHAN AHMAD	SCIENTIST C	6622
KHAN D R	TECHNICAL OFFICER (B)	6478
KHAN DEBAL KUMAR	SCIENTIST CI	5893
KHAN SANTA KUMAR	SCIENTIST B	5714
KHANDUJA SNEH LATA	SCIENTIST C	5351
KHANNA PURUSHOTTAM	DIRECTOR	6545
KHER VIJAYA	LIBRARY OFFICER (B)	5974
KHUNTIA SURENDRA	SCIENTIST EI	7384
KISPOTTA J	SCIENTIST B	6171
KODANDA B	SCIENTIST B	5542
KONAR B S	TECHNICAL OFFICER (A)	6240
KONAR JAGABANDHU	SCIENTIST EI	5821
KONDAWAR V K	SCIENTIST EI	6572
KOSHY JACOB	SCIENTIST EII	7493
KOSHY PETER	SCIENTIST EI	7502
KOTANGALE J P	SCIENTIST B	6686
KOTHANDARAMAN V	SCIENTIST C	6623
KOTHANDARAMAN V	SCIENTIST BI	7046
KRISHAN GOPAL	SCIENTIST EII	5251
KRISHNA M V	SCIENTIST B	7047
KRISHNA SARASWATHI	SCIENTIST C	6930
KRISHNAMOORTHY T S	SCIENTIST C	7230
KRISHNAMOORTHY V	SCIENTIST EI	6823
KRISHNAMURTHY G	SCIENTIST AI	7154
KRISHNAMURTHY K	SCIENTIST EI	6824
KRISHNAMURTHY M	SCIENTIST EII	6769
KRISHNAMURTHY S J	SCIENTIST C	6931
KRISHNAMURTHY V	SCIENTIST B	7270
KRISHNAN A	SCIENTIST F	6736
KRISHNAN N GOPALA	SCIENTIST C	7231
KRISHNAN R V	SCIENTIST F	6737
KRISHNAN V	SCIENTIST EI	6825
KSHIRSAGAR D G	SCIENTIST C	6624
KULASHEKHAR P S	SCIENTIST B	7048
KULKARNI ACHYUT LAXMAN	SCIENTIST B	6687
KULKARNI D N	SCIENTIST B	6688
KULKARNI P V	SCIENTIST B	5543
KULKARNI VIJAY S	SCIENTIST EI	6573
KULSHRESTHA R P	TECHNICAL OFFICER (A)	5442
KUMAR A	SCIENTIST B	5715

NAME	DESIGNATION	BIODATA NO
KUMAR A RAJU	SCIENTIST B	7049
KUMAR A SESHU	SCIENTIST C	5894
KUMAR AJIT	SCIENTIST B	6172
KUMAR AMITABHA	SCIENTIST C	5659
KUMAR ANAND	SCIENTIST EI	6826
KUMAR ANIMESH	SCIENTIST C	6625
KUMAR ARUN	SCIENTIST B	5975
KUMAR ASHOK	SCIENTIST B	5415
KUMAR ASHOK	TECHNICAL OFFICER (A)	5443
KUMAR ASHOK	SCIENTIST EI	5471
KUMAR ASHOK	SCIENTIST C	7305
KUMAR BIJAY	SCIENTIST C	6103
KUMAR E NALINI	ART OFFICER (A)	7292
KUMAR G V SURYA	SCIENTIST EII	7193
KUMAR GULSHAN	SCIENTIST B	7316
KUMAR K J SANTHOSH	SCIENTIST EI	6827
KUMAR K N ARUN	SCIENTIST B	7050
KUMAR K SATHISH	SCIENTIST B	7271
KUMAR M M SREE	SCIENTIST C	7532
KUMAR M RAMESH	SCIENTIST B	7051
KUMAR MANOJ	SCIENTIST B	7562
KUMAR N	SCIENTIST C	6932
KUMAR N SHANTHA	SCIENTIST B	7052
KUMAR P PRASANNA	SCIENTIST C	5498
KUMAR P RAVI	SCIENTIST B	7053
KUMAR P V PRADEEP	SCIENTIST B	5544
KUMAR PRABHAT	SCIENTIST C	5352
KUMAR PRADEEP	SCIENTIST B	5416
KUMAR PRAMOD	SCIENTIST B	6173
KUMAR RAJEEVA	SCIENTIST B	7054
KUMAR RAJENDRA	TECHNICAL OFFICER (B)	5417
KUMAR RAJIV	MECHANICAL ENGINEER (C)	5353
KUMAR RAKESH	SCIENTIST C	5895
KUMAR RAKESH	SCIENTIST C	6626
KUMAR RAM	SCIENTIST EI	7302
KUMAR RUGMINISU	SCIENTIST B	7563
KUMAR S ANANTHA	SCIENTIST B	7564
KUMAR S R	SCIENTIST C	6933
KUMAR S SURESH	SCIENTIST EI	7503
KUMAR SARVENDRA	SCIENTIST C	5354
KUMAR SATINDER	SCIENTIST C	5499
KUMAR SATISH	SCIENTIST C	5500
KUMAR SHREE	SCIENTIST C	5355

NAME	DESIGNATION	BIODATA NO
KUMAR SUDESH	SCIENTIST B	5545
KUMAR SUDHIR	SCIENTIST C	6104
KUMAR SURENDRA	SCIENTIST C	5356
KUMAR SWARNA SHANKAR	SCIENTIST C	6934
KUMAR TUMU SATISH	SCIENTIST B	6479
KUMAR V ARUN	SCIENTIST EI	6828
KUMAR V S KRISHNA	SCIENTIST C	6935
KUMAR V S VIJAYA	SCIENTIST B	6480
KUMAR VINAY	SCIENTIST EI	5822
KUMAR VINEET	SCIENTIST B	7055
KUMAR VINOD	SCIENTIST C	5357
KUMARAN P	SCIENTIST EI	6574
KUMARI SUNITA	SCIENTIST B	5418
KUNDANGAR R K	SCIENTIST B	7056
KUNDU DEBTOSH	SCIENTIST B	5716
KUNDU DIPALI	SCIENTIST B	5717
KUNDU K M	SCIENTIST EII	6264
KUNDU PARITOSH	SCIENTIST C	5660
KUNWAR RAMA KANT	SCIENTIST CI	5896
KUSHARI KRISHNA GOPAL	SCIENTIST EI	6297
KUSHWAHA ANGAD	SCIENTIST B	6174
KUTTY SATHYAVATHY K	SCIENTIST C	7533
LAHIRY A N	TECHNICAL OFFICER (B)	6481
LAKHE S B	SCIENTIST C	6627
LAKSHMANAN N	SCIENTIST EI	7211
LAKSHMI M SUGUNA	SCIENTIST B	7057
LAKSHMIKANTHA SARASWATHI	SCIENTIST C	6936
LAKSHMINARAYANAN G	SCIENTIST C	6105
LAKSHMINARAYANAN R	SCIENTIST C	6937
LAL B B	SCIENTIST C	5358
LAL BABU	TECHNICAL OFFICER (B)	5976
LAL BHUSHAN	TECHNICAL OFFICER (B)	6482
LAL KISHORI	SCIENTIST EII	5777
LAL RAJINDER	TECHNICAL OFFICER (EI)	5291
LAL RAM	SCIENTIST C	5501
LAL ROOP	TECHNICAL OFFICER (B)	5419
LALITAMBIKA M	SCIENTIST EI	7504
LALITHA K	SCIENTIST CI	6938
LATHA K	SCIENTIST AI	7155
LEELAVATHI K	SCIENTIST C	6939
LEELAWATHI H	SCIENTIST B	7058
LINGARKAR E	SCIENTIST C	6940
LOGANATHAN K	SCIENTIST EII	7194

NAME	DESIGNATION	BIODATA NO
LOLARAK RAM	SCIENTIST B	6175
LOVESON V J	SCIENTIST B	6176
LUQMAN M	SCIENTIST B	7272
LUTADE LAXMAN	SCIENTIST B	6689
MADHAVA M R	SCIENTIST EI	6829
MADHAVAN CHINMAYEE	SCIENTIST C	6941
MADHAVAN K T	SCIENTIST C	6942
MADHAVAN R	SCIENTIST B	6483
MADHESWARAN C K	SCIENTIST B	7273
MADHURANATH PADMA	SCIENTIST EI	6830
MADHUSUDHAN B S	SCIENTIST B	7059
MAHADEVAIAH K	SCIENTIST B	5420
MAHADEVAN SUDHA	SCIENTIST EII	6770
MAHAJAN P C	TECHNICAL OFFICER (C)	6363
MAHALINGAM R	SCIENTIST C	6943
MAHANTI RANJIT KUMAR	SCIENTIST C	5897
MAHANTY MADHU SUDAN	SCIENTIST C	5898
MAHAPATRA A K SINHA	SCIENTIST B	5977
MAHAPATRA S	SCIENTIST EII	7350
MAHARAJ LAL	SCIENTIST B	5978
MAHATA TAPAN	SCIENTIST EI	6298
MAHATO MOHAN LAL	SCIENTIST C	6106
MAHESHWARI RAJESH KUMAR	SCIENTIST B	5546
MAHESWARAN M V	SCIENTIST C	6364
MAHTO AWADHES	SCIENTIST C	6107
MAITI HIMADRI SEKHAR	SCIENTIST F	5580
MAITI K N	SCIENTIST EII	5589
MAITRA A K	TECHNICAL OFFICER (C)	6365
MAITRA ASIT KUMAR	SCIENTIST EI	5606
MAITRA BAIDYANATH	SCIENTIST EI	6299
MAITREYA V K	SCIENTIST EII	5252
MAITY RANJIT	SCIENTIST B	6177
MAITY SIB NATH	SCIENTIST C	6108
MAJI DHANANJOY	TECHNICAL OFFICER (B)	6484
MAJUMDAR A K	SCIENTIST B	7612
MAJUMDAR AMITAVA	SCIENTIST C	5661
MAJUMDAR S C GUHA	SCIENTIST EI	6300
MAJUMDAR SANAT KUMAR	SCIENTIST CI	5899
MAJUMDAR SEKHAR	SCIENTIST EII	6771
MAJUMDER S	SCIENTIST EI	6301
MALAVIYA SUNIL KUMAR	SCIENTIST C	5900
MALHOTRA S K	SCIENTIST C	5359
MALHOTRA S K	SCIENTIST C	5502

NAME	DESIGNATION	BIODATA NO
MALLAVADHANI U V	SCIENTIST B	7465
MALLIK A K	MECHANICAL ENGINEER (EII)	5778
MALLIKARJUNA H V	SCIENTIST EII	6772
MALLIKARJUNAIAH RENUKA DEVI	SCIENTIST EI	6831
MANDAL ANATH BANDHU	TECHNICAL OFFICER (C)	6366
MANDAL D	TECHNICAL OFFICER (A)	6537
MANDAL JATIN CHANDRA	TECHNICAL OFFICER (A)	5745
MANDAL KRISHNA NARAYAN	SCIENTIST C	6109
MANDAL PRADIP KUMAR	SCIENTIST B	5718
MANDAL S K	SCIENTIST C	5901
MANDAL S K	SCIENTIST B	7466
MANDAL SUKUMAR	SCIENTIST EI	6050
MANGLIK R K	TECHNICAL OFFICER (A)	5444
MANI K	SCIENTIST EII	7195
MANI N S	SCIENTIST C	7534
MANICKAM M D	SCIENTIST EII	6773
MANILAL V B	SCIENTIST B	7565
MANIVEL U	SCIENTIST B	6690
MANOHARAN T C	SCIENTIST C	6944
MANTHAPURWAR N S	SCIENTIST C	6628
MARYGUDE SUJANA	SCIENTIST B	7467
MASOOD IRSHAD QAZI	SCIENTIST EI	5292
MATHUR JAIDEEP SAHAI	SCIENTIST B	7060
MATHUR N B	SCIENTIST EII	6774
MATHUR NARENDRA NARAIN	SCIENTIST EI	5823
MATHUR RAMAPATI	TECHNICAL OFFICER (C)	6367
MATHUR RENU	SCIENTIST C	5503
MATHUR S B	SCIENTIST C	5902
MATHUR S S	TECHNICAL OFFICER (B)	6485
MATHUR SUDHIR	SCIENTIST C	5504
MATHUR V K	SCIENTIST F	5237
MAULIK S C	SCIENTIST EII	5779
MAZUMDAR B	SCIENTIST EII	7351
MAZUMDAR GOPAL CHANDRA	TECHNICAL OFFICER (B)	6486
MAZUMDAR S K	SCIENTIST C	6368
MAZUMDAR SUJATA	SCIENTIST C	5662
MEHROTRA G S	SCIENTIST EII	5253
MEHROTRA S N	SCIENTIST EI	5293
MEHROTRA S P	SCIENTIST EI	5294
MEHTA D K	TECHNICAL OFFICER (B)	5294
MEHTA GAJENDER	SCIENTIST EI	5547
MEHTA H S	SCIENTIST C	5295
MENON A NIRMALA	SCIENTIST C	5505
		7535

NAME	DESIGNATION	BIODATA NO
MENON A R RAVINDRA NATHA	SCIENTIST C	7536
MESHRAM ALKA N	SCIENTIST B	7613
MHAISALKAR VASANT ANANT	SCIENTIST EI	6575
MICHAEL ANTONY	SCIENTIST C	6945
MINJ RAJESH KANYUT	SCIENTIST B	5979
MINOCHA A K	SCIENTIST B	5421
MISHRA A K	SCIENTIST C	5506
MISHRA BIDYA NAND	SCIENTIST C	6110
MISHRA DUSMANTA KUMAR	SCIENTIST C	5903
MISHRA GANGOTRI	SCIENTIST C	5904
MISHRA INDUBHUSHAN	SCIENTIST C	5905
MISHRA K K	SCIENTIST F	5765
MISHRA L N	TECHNICAL OFFICER (A)	7482
MISHRA PRATIMA KUMARI	SCIENTIST B	7468
MISHRA PURUSHOTTAM NARAYAN	SCIENTIST C	5906
MISHRA RABINDRA NATH	TECHNICAL OFFICER (A)	7483
MISHRA RAMNARAYAN	SCIENTIST C	7428
MISHRA S K	SCIENTIST C	7429
MISHRA V N	TECHNICAL OFFICER (A)	6538
MISRA B B	SCIENTIST C	6369
MISRA B N	TECHNICAL OFFICER (B)	6487
MISRA BHASKAR CHANDRA	SCIENTIST C	7430
MISRA K G	SCIENTIST C	5907
MISRA S B	TECHNICAL OFFICER (B)	6488
MISRA SANTOSH KUMAR	SCIENTIST C	7431
MISRA SURYA KANT	SCIENTIST G	5234
MISTRY RAGALAKSHMI P	SCIENTIST B	7469
MITAL A K	SCIENTIST B	5548
MITAL H C	SCIENTIST EI	5296
MITAL S K	SCIENTIST EI	5297
MITRA AMITAVA	SCIENTIST C	5908
MITRA B K	SCIENTIST A	6005
MITRA BHUPENDRA LAL	SCIENTIST C	5663
MITRA BIBHUDAN	SCIENTIST C	5664
MITRA D K	SCIENTIST B	6178
MITRA DHIRAJ KUMAR	TECHNICAL OFFICER (B)	6489
MITRA PRABHAT KUMAR	TECHNICAL OFFICER (B)	6490
MITRA SAMBHU PRASAD	TECHNICAL OFFICER (B)	6491
MITTAL ABHA	SCIENTIST C	5360
MITTAL B D	SCIENTIST C	5361
MITTAL M K	SCIENTIST C	5362
MITTAL MANJU	SCIENTIST EI	5298
MITTAL NEETA S	SCIENTIST B	5422

NAME	DESIGNATION	BIODATA NO
MITTAL NISHI	SCIENTIST C	5507
MITTER A	SCIENTIST C	6370
MODI O P	SCIENTIST C	7599
MOHAN K H	SUPERINTENDENT ENGINEER (EI)	6832
MOHAN L CHANDRA	SCIENTIST C	7600
MOHAN MURALI	SCIENTIST EI	6833
MOHAN N V R	SCIENTIST EI	5472
MOHAN PRADEEP	SCIENTIST A	7331
MOHAN S J	SCIENTIST C	7232
MOHAN SURINDER	SCIENTIST B	5549
MOHAN T R KRISHNA	SCIENTIST C	6946
MOHAN V	SCIENTIST EI	5824
MOHANTY B C	SCIENTIST EII	7352
MOHANTY BIBHUPADA	SCIENTIST EI	7385
MOHANTY J K	SCIENTIST C	7432
MOHANTY JITENDRA NATH	SCIENTIST C	7433
MOHANTY ONKAR NATH	SCIENTIST G	5762
MOHANTY SWATI	SCIENTIST C	7434
MOHAPATRA BIRENDRA KUMAR	SCIENTIST EI	7386
MOHIADIN M JAFFER	SCIENTIST CI	6947
MOHNOT J K	SCIENTIST B	6179
MOJIZ SALMAN	SCIENTIST C	6371
MOLLA S H	SCIENTIST A	6721
MONDAL BISWA NATH	TECHNICAL OFFICER (C)	6372
MONDAL BISWANATH	SCIENTIST C	6373
MONDAL DEHIPADA	SCIENTIST B	7614
MONDAL J	TECHNICAL OFFICER (A)	5746
MONDAL MADHUSUDAN	SCIENTIST B	5980
MONDAL NALIN	SCIENTIST C	6111
MONDAL S	SCIENTIST B	5719
MONDAL SISHIR KR	SCIENTIST B	6180
MONDAL SUJIT KUMAR	SCIENTIST B	6181
MOODITHAYA RANJAN	SCIENTIST EI	6834
MOORTHY M V EMAYAVARAMBA	SCIENTIST C	6948
MORCHALE RAJESH KUMAR	SCIENTIST B	7615
MUDKAVI VIDHYADHAR Y.	SCIENTIST C	6949
MUGALIHAI K R	SCIENTIST B	7061
MUKERJI J	SCIENTIST B	5578
MUKHERJEE ARUN	SCIENTIST G	5747
MUKHERJEE B C	TECHNICAL OFFICER (A)	6374
MUKHERJEE BARUNDEB	TECHNICAL OFFICER (C)	5607
MUKHERJEE BIKASH CHANDRA	SCIENTIST EI	5825
MUKHERJEE BISWANATH	SCIENTIST EI	5590
	SCIENTIST EII	

NAME	DESIGNATION	BIODATA NO
MUKHERJEE CHINMOY	SCIENTIST B	6182
MUKHERJEE DEEPAK	SCIENTIST B	5550
MUKHERJEE DILIP KUMAR	MECHANICAL & ELECTRICAL ENGINEER (C)	5909
MUKHERJEE DILIP KUMAR	TECHNICAL OFFICER (A)	6241
MUKHERJEE GITI	SCIENTIST C	6629
MUKHERJEE J P	SCIENTIST B	5981
MUKHERJEE K P	SCIENTIST EI	6051
MUKHERJEE NARAYAN PRASAD	SCIENTIST EII	6265
MUKHERJEE NEELIMA	SCIENTIST B	5551
MUKHERJEE P K	SCIENTIST C	6375
MUKHERJEE P N	TECHNICAL OFFICER (C)	6376
MUKHERJEE P S	SCIENTIST EI	7505
MUKHERJEE PANCHANON	TECHNICAL OFFICER (C)	6377
MUKHERJEE S B	SCIENTIST C	6378
MUKHERJEE SARAT KUMAR	SCIENTIST EII	6027
MUKHERJEE SUDHIR KUMAR	SCIENTIST EI	5608
MUKHERJI A N	SCIENTIST EI	5826
MUKHERJI SACHINDRA KUMAR	SCIENTIST C	5665
MUKHOPADHYAY A K	SCIENTIST B	5720
MUKHOPADHYAY D	SCIENTIST C	5508
MUKHOPADHYAY P R	SCIENTIST C	6379
MUKHOPADHYAY S K	SCIENTIST C	6380
MUKHOPADHYAY TAPAN KUMAR	SCIENTIST B	5721
MUKHOPADHYAY TAPAS KUMAR	SCIENTIST C	5666
MUKUND K	SCIENTIST B	7062
MUKUNDAN P	TECHNICAL OFFICER (A)	7578
MUNEER MOHD	SCIENTIST B	7566
MUNESHWAR V S	SCIENTIST B	7616
MURAHARI RAO P	SCIENTIST B	6691
MURALEEDHARAN T	SCIENTIST C	5509
MURALIDHAR J	SCIENTIST EI	7387
MURALIDHAR S J	SCIENTIST EI	6835
MURALIDHARA H S	SCIENTIST B	7063
MURALIDHARAN K	SCIENTIST EI	7212
MURLIDHARAN T L	SCIENTIST C	7233
MURMU RUBEN	SCIENTIST B	6183
MURTHY (MRS) ARUNA V	SCIENTIST EI	6836
MURTHY D S R	SCIENTIST EII	5780
MURTHY D S RAMACHANDRA	SCIENTIST EI	7213
MURTHY G V SRINIVASA	SCIENTIST EI	6302
MURTHY H S SATYANARAYANA	SCIENTIST C	6950
MURTHY H SUNDARA	SCIENTIST F	6738
MURTHY M V A	SCIENTIST EII	6775

NAME	DESIGNATION	BIODATA NO
MURTHY M V R L	SCIENTIST C	7601
MURTHY M V V	SCIENTIST F	6739
MURTHY N C	SCIENTIST EI	6837
MURTHY NAGARAJ N	SCIENTIST EI	6838
MURTHY NARASIMHA	SCIENTIST AI	7156
MURTHY S C NARAYANA	SCIENTIST EI	6839
MURTHY S G K	SCIENTIST EI	6840
MURTHY S G N	SCIENTIST B	5982
MURTHY S SRIDHARA	SCIENTIST EI	6841
MURTHY T V RAMA	SCIENTIST EI	6842
MURTHY V M S R	SCIENTIST B	6184
MURTY A V S R	SCIENTIST EII	5458
MURTY D V R	SCIENTIST B	6492
MURTY J S	SCIENTIST F	7340
MURUGESAN K	SCIENTIST F	6740
MURUGIAH A	SCIENTIST B	7317
MUTHAL P L	SCIENTIST C	6630
MUTHUMANI K	SCIENTIST C	7234
MYTHILI A R	SCIENTIST BI	7064
NABIULLAH MD	SCIENTIST C	6112
NAG A	SCIENTIST A	6006
NAG NITI RANJAN	SCIENTIST EII	5781
NAG PRADIP KUMAR	TECHNICAL OFFICER (C)	6381
NAGABHUSHANA S	SCIENTIST F	6741
NAGANAGOUDAR I R	SCIENTIST EI	6843
NAGANARAYANA B P	SCIENTIST B	7065
NAGARAJ S	SCIENTIST C	6951
NAGARAJ S R	SCIENTIST C	6952
NAGARAJA B V	SCIENTIST AI	7157
NAGARAJA B V	SCIENTIST AI	7158
NAGARAJA B V	SCIENTIST AI	7159
NAGARAJA B V	SCIENTIST AI	6844
NAGARAJAN V	SCIENTIST EI	6631
NAGPAL J L	SCIENTIST C	6631
NAGPURWALA Q H	SCIENTIST EII	6776
NAIDU T M DEVARAJULU	SCIENTIST AI	7160
NAIK N KRISHNA	SCIENTIST B	7274
NAIK VIVEKA	SCIENTIST C	6953
NAIR G VIJAYAKUMARAN	SCIENTIST F	7491
NAIR K MURALIDHARAN	SCIENTIST C	7537
NAIR K RAVINDRAN	SCIENTIST C	7538
NAIR MANGALAM S	SCIENTIST C	7539
NAIR P KUNHUNNY	SCIENTIST C	6113
NAIK V PARAMESWARAN	SCIENTIST C	7579
	TECHNICAL OFFICER (A)	

NAME	DESIGNATION	BIODATA NO
NAITHANI K C	SCIENTIST EI	5299
NALAM S B	SCIENTIST EI	6303
NAMDEO A K	SCIENTIST C	6632
NANDA BHAGABAT	SCIENTIST C	7435
NANDA PRAMOD KUMAR	SCIENTIST EII	5459
NANDAKUMAR A	SCIENTIST B	7066
NANDGAONKAR K M	PRODUCTION OFFICER (C)	6633
NANDI ASIS KUMAR	SCIENTIST C	5667
NANDI ASOK KUMAR	SCIENTIST C	5668
NANDI M	SCIENTIST C	6382
NANDI SHIB SANKAR	SCIENTIST B	6493
NANDY TAPAS	SCIENTIST C	6634
NANDY U	SCIENTIST C	6383
NANJUNDASWAMY K S	SCIENTIST EI	6845
NANOTI MADANKUMAR V	SCIENTIST EI	6576
NARAINASWAMI V S	SCIENTIST B	6692
NARANG RAJESH	SCIENTIST C	5510
NARANG S K	SCIENTIST EII	5782
NARASIMHAIAH	SCIENTIST C	6954
NARASIMHAM P S LAKSHMI	SCIENTIST EI	6846
NARASIMHAN K	TECHNICAL OFFICER (C)	7235
NARASIMHAN S V	SCIENTIST EI	6847
NARAYAN G	SCIENTIST EII	6777
NARAYAN K YEGNA	SCIENTIST EII	6778
NARAYAN S P	SCIENTIST C	7602
NARAYAN SATYENDRA	SCIENTIST B	6185
NARAYANA C L	SCIENTIST EI	6848
NARAYANA KALLEPALLY LAKSHMI	SCIENTIST EI	7388
NARAYANAN C S	SCIENTIST EII	7494
NARAYANAN K	SCIENTIST B	6494
NARAYANAN K V	SCIENTIST BI	7067
NARAYANAN R	SCIENTIST F	7188
NARAYANAN S	SCIENTIST B	7068
NARAYANAN SYAMALA	TECHNICAL OFFICER (A)	6539
NARAYANAN T	SCIENTIST EI	7214
NARAYANASWAMY V	SCIENTIST BI	7069
NASHIKKAR VAISHALI J	SCIENTIST C	6635
NASKAR P C	SCIENTIST AI	5748
NASKAR PHATIC CHANDRA	SCIENTIST AI	5749
NATARAJAN K	SCIENTIST C	7236
NATARAJAN P R	SCIENTIST EII	7196
NATARAJAN S	SCIENTIST EI	6304
NATH N G	TECHNICAL OFFICER (B)	6495

NAME	DESIGNATION	BIODATA NO
NATH PARAS	SCIENTIST EI	
NATHSHARMA KAILASH CHANDRA	SCIENTIST C	5827
NAUGHARE PRATIBHA	SCIENTIST C	7436
NAWLAKHE W G	SCIENTIST C	6636
NAYAK AMALENDU	SCIENTIST C	6637
NAYAK BANSIDHAR	SCIENTIST C	7437
NAYAK BIJAN BIHARI	SCIENTIST C	7438
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NEMA P	SCIENTIST EI	5423
NENE V G	SCIENTIST C	6577
NENE V J	SCIENTIST EI	6384
NENE V J	SCIENTIST EI	5300
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PARASHER B L	SCIENTIST EI	5473
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PRABHAKAR BABAN	SCIENTIST B	6190
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PRAKASH K R	SCIENTIST EI	6854
PRAKASH RAVI	SCIENTIST C	5512
PRAKASH S	SCIENTIST C	6961
PRAKASH S	SCIENTIST C	7446
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PRASAD B K	SCIENTIST C	7604
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RAJ D MUTHIA	SCIENTIST B	6500
RAJA K C M	SCIENTIST C	7280
RAJA S	SCIENTIST B	7544
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RAJA S	SCIENTIST B	7081
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RAMESHA S	SCIENTIST B	7091
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SEN A K	TECHNICAL OFFICER (A)	5757
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SEN P K	SCIENTIST C	6403
SEN RAMA PRASAD	SCIENTIST BI	5726
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SENGUPTA KAMALENDU	SCIENTIST C	5680
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SENGUPTA SAMIR KUMAR	SCIENTIST C	6128
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SHAH NAVINCHANDRA FOJALAL	SCIENTIST EII	6270
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SHARMA AMARJIT SINGH	TECHNICAL OFFICER (C,	6407
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SHARMA BRIJ MOHAN	SCIENTIST C	5515
SHARMA D K	SCIENTIST A	6008
SHARMA DEVENDRA	SCIENTIST EII	5261
SHARMA DEVI SHARAN	SCIENTIST C	5932
SHARMA DHANESH	SCIENTIST C	6130
SHARMA DINESH CHANDRA	SCIENTIST B	7322
SHARMA J R	TECHNICAL OFFICER (B)	6519
SHARMA KAILASH NATH	TECHNICAL OFFICER (B)	5433
SHARMA LAXMI NARAIN	SCIENTIST B	6709
SHARMA N C	TECHNICAL OFFICER (A)	6246
SHARMA N K P	TECHNICAL OFFICER (A)	6247
SHARMA NIRAJ	SCIENTIST B	5562
SHARMA PREM CHANDRA	SCIENTIST EI	7303
SHARMA R N	SCIENTIST C	5516
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SHARMA RAMACHANDRA	SCIENTIST C	6982
SHARMA RAVENDRA	SCIENTIST C	7307
SHARMA S D	SCIENTIST B	5563
SHARMA S K	TECHNICAL OFFICER (A)	7333
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SHARMA S SEN	SCIENTIST C	6408
SHARMA S SUBBARAMA	SCIENTIST EI	6883
SHARMA SHAILENDRA	SCIENTIST EI	5304
SHARMA SUDESH K	SCIENTIST C	5369
SHARMA SUNIL KUMAR	SCIENTIST C	5370
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SHARMA V K	SCIENTIST C	5372
SHARMA V P	SCIENTIST C	5479
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SHEOREY P R	SCIENTIST EI	6030
SHERIFF M K	SCIENTIST EI	7171
SHINDE H A	SCIENTIST EII	6520
SHIVARAJ G	SCIENTIST AI	7114
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	ASSISTANT EXECUTIVE ENGINEER (BI)	

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SHIVARAMAIA	SCIENTIST CI	6983
SHIVARAMAN N	SCIENTIST EI	6592
SHIVASHANKAR N	SCIENTIST B	7115
SHIVASHETTY A	SCIENTIST CI	6984
SHOME S N	SCIENTIST EI	6312
SHOME S R	TECHNICAL OFFICER (C)	6410
SHRIMANTH V S	SCIENTIST B	7623
SHUBHA (MRS) V	SCIENTIST C	6985
SHUKLA A K	SCIENTIST C	6411
SHUKLA ANURADHA	SCIENTIST B	5564
SIDDALINGAIAH U M	SCIENTIST AI	7172
SIDDALINGAPPA S R	SCIENTIST EI	6886
SIKDAR B B	TECHNICAL OFFICER (B)	5727
SIL S K	SCIENTIST C	5934
SINGH A K	SCIENTIST B	6205
SINGH A K	SCIENTIST B	6206
SINGH A K	SCIENTIST F	6749
SINGH A K	SCIENTIST B	7624
SINGH AJAY	TECHNICAL OFFICER (A)	5449
SINGH AJAY KUMAR	SCIENTIST B	6207
SINGH AJEET	SCIENTIST B	7477
SINGH AMAR	SCIENTIST EII	5263
SINGH ANIL	SCIENTIST C	5517
SINGH ARVIND KUMAR	SCIENTIST B	6208
SINGH ASHOK KUMAR	SCIENTIST B	6209
SINGH B H MAHABEER	SCIENTIST AI	7173
SINGH BALBIR	TECHNICAL OFFICER (B)	5434
SINGH BHUP NARAYAN	SCIENTIST B	6521
SINGH BHUPENDRA	TECHNICAL OFFICER (A)	5450
SINGH BIMAL PRASAD	SCIENTIST C	7452
SINGH BRAJESHWAR	SCIENTIST B	5435
SINGH CHARAN	SCIENTIST BI	7116
SINGH D D N	SCIENTIST EI	5837
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SINGH GURCHARAN	SCIENTIST EI	5838
SINGH GURDEEP	SCIENTIST EI	5305
SINGH HARENDRA	SCIENTIST B	6210
SINGH HARIPAL	SCIENTIST A	6009
SINGH HARPAL	SCIENTIST B	5436
SINGH INDER	SCIENTIST EII	5789
SINGH INDER PAL	MAINTENANCE ENGINEER CIVIL (B)	7308
SINGH J K	SCIENTIST B	6211
SINGH J P	TECHNICAL OFFICER (A)	7334

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SINGH JAGDISH	TECHNICAL OFFICER (A)	6010
SINGH JAI PRAKASH	SCIENTIST EII	6792
SINGH JOGA	SCIENTIST C	5935
SINGH K B	SCIENTIST C	6131
SINGH K K	SCIENTIST EII	5790
SINGH K K K	SCIENTIST B	6212
SINGH K P	SCIENTIST C	6132
SINGH LALITESHWAR	TECHNICAL OFFICER (A)	6011
SINGH M M	SCIENTIST B	6213
SINGH M P	TECHNICAL OFFICER (B)	5437
SINGH M PREM	SCIENTIST B	7117
SINGH MAHESH NANDAN	SCIENTIST C	5936
SINGH MAHI PAL	SCIENTIST EI	5306
SINGH MAN	SCIENTIST B	7323
SINGH MANJIT	SCIENTIST EI	5307
SINGH MANOJ KUMAR	SCIENTIST B	6214
SINGH NARINDER	SCIENTIST C	5374
SINGH ONKAR	SCIENTIST CI	5937
SINGH P K	SCIENTIST B	6215
SINGH PRASANTA KUMAR	MECHANICAL ENGINEER (EI)	5839
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SINGH R V K	SCIENTIST B	6133
SINGH R V K	SCIENTIST C	6219
SINGH RAGHAVENDRA	SCIENTIST B	6134
SINGH RAGHAVENDRA	SCIENTIST C	6220
SINGH RAGHUBIR	SCIENTIST B	5791
SINGH RAJENDRA	SCIENTIST EII	6221
SINGH RAJENDRA PRASAD	SCIENTIST B	6061
SINGH RAM BRAT	SCIENTIST EI	6062
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SINGH S K	SCIENTIST C	7453
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SINGH SAHAB	SCIENTIST C	5376
SINGH SANTOSH KUMAR	SCIENTIST C	6223
SINGH SARB DEO	SCIENTIST B	6224
SINGH SATRUGHAN	SCIENTIST B	6012
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SINGH SREE RAM	SCIENTIST C	5941
SINGH SUVIR	SCIENTIST B	5438
SINGH T B	SCIENTIST B	6225
SINGH T P N	SCIENTIST A	6248
SINGH TARA NAND	SCIENTIST C	6136
SINGH TEJ BAHADUR	SCIENTIST C	5942
SINGH TRIBHUWAN NATH	SCIENTIST G	6017
SINGH UPENDRA K	SCIENTIST EI	6063
SINGH V K	SCIENTIST C	6137
SINGH V P	TECHNICAL OFFICER (B)	5439
SINGH VIRENDRA	TECHNICAL OFFICER (C)	6412
SINGH VIRENDRA KUMAR	SCIENTIST C	6138
SINGH YUDHVIR	SCIENTIST C	5377
SINHA A K	TECHNICAL OFFICER (A)	6544
SINHA A N	SCIENTIST EI	5840
SINHA ALIND KUMAR	SCIENTIST C	6139
SINHA AMALENDU	SCIENTIST EI	6064
SINHA BINOD KUMAR	SCIENTIST EII	6271
SINHA D P	TECHNICAL OFFICER (B)	6522
SINHA INDRAJIT	SCIENTIST C	6140
SINHA J P	SCIENTIST B	6523
SINHA MITHLESH KUMAR	SCIENTIST C	5683
SINHA PRASANTA KUMAR	SCIENTIST EI	5841
SINHA R K	SCIENTIST C	5943
SINHA R K	SCIENTIST A	6249
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SINHA S C	LIBRARY OFFICER (C)	5378
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SINHA SAMARENDRA KUMAR	SCIENTIST C	5944
SINHA SANJEEV	SCIENTIST B	6227
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SIVASUBRAMANYAM M	TECHNICAL OFFICER (C)	6413
SO FAT G C	SCIENTIST EI	5309
SOLANKI R S	SCIENTIST C	7606
SOMAN ATUL MADHAV	SCIENTIST B	6713
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SONI SASHI KUMAR	SCIENTIST B	5566
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SREEDHARA N	SCIENTIST C	7549
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SREENIVASAN SHEILA	SCIENTIST B	7120
SREEPATHY S	SCIENTIST C	6988
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SRINIVASAN T	SCIENTIST AI	7177
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SRIVASTAVA ASHOK	SCIENTIST C	6990
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SRIVASTAVA R K	SCIENTIST B	5567
SRIVASTAVA R S	SCIENTIST C	5381
SRIVASTAVA RAJ KUMAR	SCIENTIST C	5382
SRIVASTAVA S	SCIENTIST B	6229
SRIVASTAVA S C	SCIENTIST EI	5844
SRIVASTAVA S C	SCIENTIST F	6019
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SUBBAIAH TONDEPU	SCIENTIST EI	7410
SUBRAHMANYA H S	SCIENTIST BI	7124
SUBRAHMANYAM Y V	SCIENTIST C	6655
SUBRAMANIAM C	SCIENTIST C	6991
SUBRAMANIAN A	SCIENTIST EI	6888
SUBRAMANIAM R BALAVENKATA	SCIENTIST C	5684
SUBRAMANYA H Y	SCIENTIST B	7125
SUDHAKAR B	SCIENTIST B	7126
SUDHAKAR B	SCIENTIST B	7574
SUDHEENDRA H N	SCIENTIST C	6992
SUKLA L B	SCIENTIST EI	7411
SUKUMARAN K	SCIENTIST C	7550
SUMATHYKUTTY M A	SCIENTIST C	7551
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SUNDARESAN S	TECHNICAL OFFICER (EI)	6314
SUNDER R	SCIENTIST EII	6795
SUNDERSINGH E P I	TECHNICAL OFFICER (C)	6656
SUNDERSINGH S DAVID	SCIENTIST C	5383
SUNDRARAJAN D	SCIENTIST B	7127
SUNDRARAJAN M	SCIENTIST B	6230
SUNDRESAN A	SCIENTIST C	7552
SUR BHOLA NATH	SCIENTIST C	6415
SURENDER G D	SCIENTIST EII	7497
SURENDRAN M C	SCIENTIST B	6524
SURESH M R	SCIENTIST CI	6993
SURI B L	SCIENTIST EI	5480
SURI RADESH KRISHNAN	SCIENTIST B	5568
SURI S C	SCIENTIST EI	7514

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SURYANARAYANA G K	SCIENTIST EI	6891
SURYANARAYANA Y	SCIENTIST EI	5481
SUTHAR H H	SCIENTIST A	5575
SUTRADHAR A N	TECHNICAL OFFICER (A)	6250
SWAIN B C	SCIENTIST EI	7412
SWAMI R K	SCIENTIST B	5569
SWAMINATHAN (MRS) K	SCIENTIST C	6657
SWAMINATHAN R	SCIENTIST EII	6563
SWAMY A NARAYANA	SCIENTIST B	6525
SWAMY A NARAYANA	SCIENTIST AI	7179
SWAMY E GOBINDARAJA	SCIENTIST C	6994
SWAMY K M	SCIENTIST EII	7368
SWAMY K M MRUTHUNJAYA	SCIENTIST EII	6796
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SWAMY M R NARASIMHA	SCIENTIST F AND HEAD	6726
SWAMY M SHIVAKUMARA	SCIENTIST F	6753
SWAMY S KRISHNA	SCIENTIST CI	6996
SWAMY Y VENKATA	SCIENTIST C	7454
SWARNAKAR N G	SCIENTIST EI	6593
SWARUP ANIL	SCIENTIST B	6231
SWARUP JANARDAN	SCIENTIST C	7309
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TARAFDAR SOUMITRA	SCIENTIST C	5950
TARAFDER MANINDRA NATH	SCIENTIST EII	6031
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TEWARI J P	SCIENTIST C	5951
TEWARI S K	SCIENTIST C	6754
TEWARI Y C	SCIENTIST F	5570
TEWARY B K	TECHNICAL OFFICER (B)	6144
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THAKRE REKHA ANIL	SCIENTIST C	6660
THAKUR DEVENDRA NATH	SCIENTIST C	6020
THAKUR OM PRAKASH	SCIENTIST F	7310
THAKUR R N	SCIENTIST C	6251
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THANDAVAMOORTHY T S	SCIENTIST EI	7219
THIMMAIAH K A	SCIENTIST B	7128
THIPPERUDRAPPA T	SCIENTIST B	7129
THIRUNAVOUKKARASU M	SCIENTIST A	7489
THIYAGARAJAN S	SCIENTIST BI	7130
THOMAS P P	SCIENTIST EI	7515
THOMAS P T CHARLY	SCIENTIST AI	7180
THOMAS REMA ABRAHAM	SCIENTIST EI	6892
THOMAS T MONCY	SCIENTIST BI	7131
THOMAS V P	EXECUTIVE ENGINEER (C)	7553
THUNGA K S	SCIENTIST C	6999
TIKE G K	SCIENTIST C	5518
TIPNIS SUBHASH SHANKAR	SCIENTIST B	6714
TITUS S K	SCIENTIST EI	6594
TIWARY R K	SCIENTIST B	6232
TIWARY SHIVADHAR	SCIENTIST C	6145
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TOLIA D S	SCIENTIST EI	5482
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